

MSDH
QAIB

University of Minnesota

Medical Bulletin

A PUBLICATION OF THE MINNESOTA MEDICAL FOUNDATION



**Learning from Experience:
The Rural Physician
Associate Program**

Spring 1996

The Minnesota Medical Foundation

supports the research and educational missions of the University of Minnesota Medical Schools by encouraging private contributions.

MINNESOTA MEDICAL FOUNDATION

at the University of Minnesota

ON THE COVER:

As a participant in the Rural Physician Associate Program, medical student Stephanie Hansen assists Dr. Kathy Kramer in a clinical procedure.

Photo by Tim Rummelhoff

The Minnesota Medical Foundation

was founded in 1939 by a dedicated group of faculty members and medical alumni who saw the need for private support to build a strong future for the Medical School. A non-profit organization, MMF raises and disburses funds for medical education and research at the University of Minnesota Medical Schools in the Twin Cities and Duluth.

Publishing Information:

The University of Minnesota Medical Bulletin is published quarterly by the Minnesota Medical Foundation on behalf of the University of Minnesota Medical Schools (Minneapolis and Duluth), the Medical Alumni Society, and the Minnesota Medical Foundation. Statements and opinions published herein are exclusively those of the authors themselves. There is no subscription fee. No advertising is accepted. Publication is made possible by contributions to the Minnesota Medical Foundation.

Board of Trustees:

Paul T. Birkeland, Chair; Barbara Forster, Vice Chair; Judith Shank, M.D., Secretary; Peter A. Heegaard, Treasurer; Sally A. Anderson, Gail Papermaster Bender, M.D., William R. Brody, M.D., John H. Brown, M.D., Richard A. Carlson, M.D., Frank B. Cerra, M.D., M. Elizabeth Craig, M.D., Donald E. Derauf, M.D., Herbert B. Dorr, K. James Ehlen, M.D., Ronald D. Franks, M.D., Bobby I. Griffin, Nils Hasselmo, Ph.D., Roger L. Headrick, Dorothy J. Horns, M.D., Robert Howe, M.D., Paula M. Kelly, M.D., Edith Leyasmeyer, Ph.D., M.P.H., Robert Lumpkins, Bert O. Lund, David L. Mona, David S. Patten, Oliver H. Peterson, M.D., James W. Reagan, Thomas R. Reagan, Lehan J. Ryan, John B. Sanford, M.D., Cal Simmons, Robert D. Sparboe, Theodore R. Thompson, M.D., Jerry M. Willcox.

Affiliated Organization Representatives:

University of Minnesota Cancer Center, John H. Kersey, M.D.; Children's Cancer Research Fund, Sharon Waller; University Children's Foundation, Dean Edstrom; Variety Children's Association, George Reilly; Vision Foundation, James Bradshaw; Women's Health Fund, Joann Paden.

Staff:

Jean Murray, Editor; Jodi Ohlsen Read, Associate Editor; Mark Marshall, Alumni Relations Director; David R. Teslow, President and CEO.

Graphic design:

Lilja Baehr Design

Printing:

Sexton Printing, Inc.

Change of Address:

Please enclose old and new address and mail to: Minnesota Medical Foundation, Box 193, 420 Delaware Street S.E., Minneapolis, Minnesota 55455-0392. Phone (612) 625-1440 or 1-800-922-1MME.



Printed on recycled paper;
contains 10% post-consumer
waste.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, color, creed, religion, national origin, sex, age, marital status, disability, public assistance status, veteran status, or sexual orientation.

Medical Bulletin

Spring 1996



2

Learning from Experience

by Jodi Ohlsen Read

The Rural Physician Associate Program introduces medical students to the real life of rural physicians.

9

For the Children

by Jean Murray

The University Children's Foundation is helping find solutions to childhood diseases through research.

14

Charting a New Course: MMF's Fifty-Seventh Annual Meeting

by Jean Murray

Medical School Dean Frank Cerra is optimistic about the future.

16

Investing in the Future: The Vernon D.E. Smith Scholarship

by Jodi Ohlsen Read

There is a critical need for scholarship support for medical students.

DEPARTMENTS

Medical School Newsbriefs	17
MMF Report	19
Alumni News and Notes	28
Thanks for Asking	32
Thanks for Giving	inside back cover

Thief River Falls

Red Lake Falls

Staples

Moose Lake

Brainerd

Willmar

Red Wing

Owatonna

Benson

Mora

Monticello

Forest Lake

Le Sueur

Glencoe

Canby

Ivanhoe

Albert Lea

Hastings

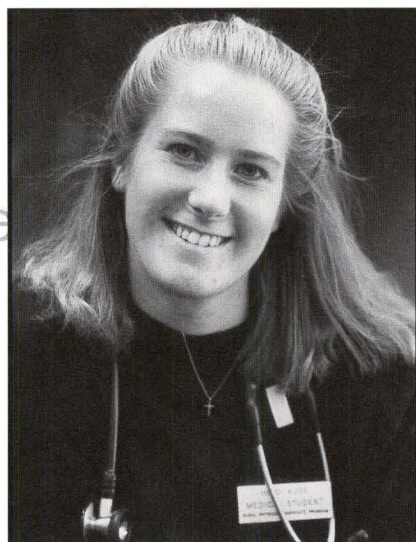
Preston

Caledonia

Pipestone

Alexandria

Learning from Experience



Willmar RPAP student Heidi Kjos.

The Rural Physician Associate Program introduces medical students to the real life of rural physicians.

by Jodi Ohlsen Read

As the doctor walks into the cafe, several people call out hello, two stop to chat, and one proudly shows off her thriving toddler. Everyone knows the doctor, many since birth.

In a small, rural town a doctor is often a linchpin of the community. This brings many rewards and much responsibility. It is a unique environment that most medical students haven't experienced.

What is the best way to introduce a student to the challenging world of rural medical practice? Total immersion.

For nine months, University of Minnesota medical students in the Rural Physician Associate Program (RPAP) live and work in a greater Minnesota town. Each RPAP student is assigned a preceptor, a doctor who agrees to work with and teach the student, in a rural community.

"By the time the nine months are up, they've seen a tremendous amount," says Dr. Lyle Munneke, an RPAP preceptor at the Willmar Family Practice Medical Center. "It is so interesting to see them advance from the time they arrive, when they don't know where to hang their coats, to where they can handle a code in the ER or have had a chance to be part of a surgical operation, participate in a normal delivery, or write orders and make appropriate decisions. It's nice to see that growth over a period of time."

Shortage of rural physicians

In 1969, the Minnesota Academy of Family Physicians was concerned about the decrease in the number of family physicians, especially in non-metro areas. The estimated shortage of rural physicians was 500 to 700 for 1970, with a worsening shortage projected for the next decade.

Members of the Minnesota Legislature told faculty of the University of Minnesota Medical School that the school had to develop a program designed to redistribute physicians into the underserved areas of the state or they would lose state funding, which was then about 27 percent of the current budget.

Initially, members of the University clinical departments formed a committee to develop a response to the problem. As a result, the Department of Family Practice and Community Health was formed. Later, in 1971, RPAP was established in a continued response to the directives from the state legislature.

RPAP is an elective open to third-year University of Minnesota medical students. Before participating in RPAP, students must complete two of the required six-week clinical rotations. The nine months served in RPAP replace six months of elective time — the equivalent of four six-week rotations — and three months of free time. In return, students receive 39 credits and a scholarship of \$13,000 from the state of Minnesota and the host community.

"The average medical student now needs about \$27,000 for tuition, room and board, books, and expenses," says Wally Swentko, RPAP director. "Maybe they're just a little bit less in debt."

In addition, they may qualify to "opt out" and be exempted from up to two of three required rotations: primary care medicine, surgery externship, or a pediatrics externship.



Left: Dr. Mary Bretzman observes as Kjos examines a patient.

Below, left to right: Dr. Mary Bretzman, Heidi Kjos, Dr. Kevin Switzer, Dr. Lyle Munneke, Dr. Mary Amon.



Photos by Tim Rummelhoff

Returning as physicians

During its 25 years, the program has been incredibly successful, with nearly 800 third-year medical students from the University of Minnesota participating. Of former RPAP students now practicing medicine in Minnesota, 66 percent returned to practice in rural locations.

Munneke and his RPAP students and colleagues are examples of the program's success. He was one of the first doctors to act as a preceptor in RPAP. Munneke was reluctant to participate in the program when he was first approached. "I did not have any

Farmington

Slayton

Windom

Starbuck

Bemidji

Cook

Hibbing

Worthington

Moore

Faribault

Wadena

Big Lake

Austin

Bird Lake

Wabasha

Wells

Hutchinson

Olivia

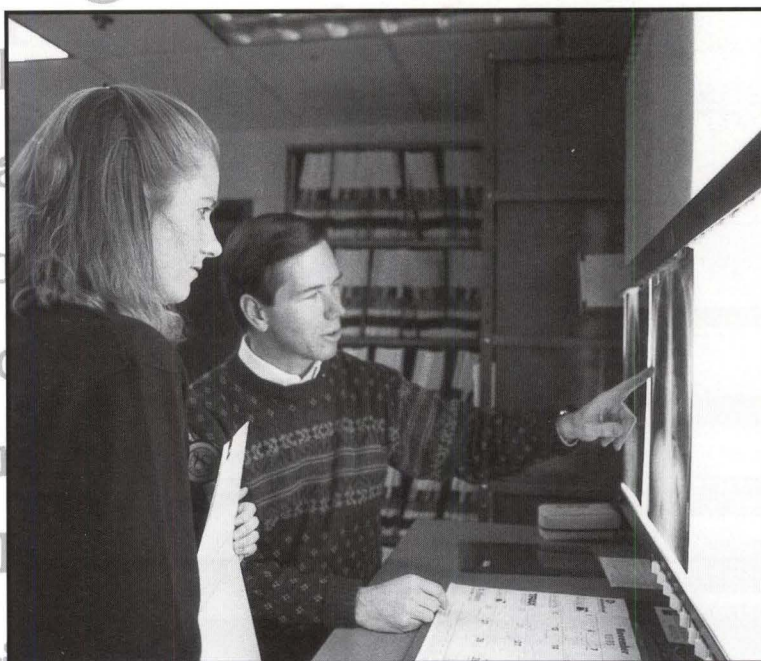
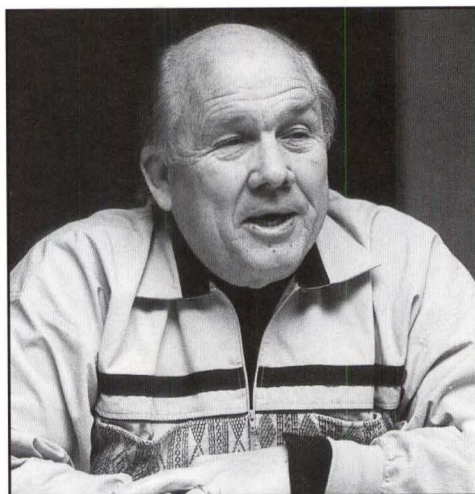
Park Rapids

Cass Lake

Mound

Ortonville

Right: Dr. Lyle Munneke, Willmar Family Practice Medical Center. Below: Kjos and Dr. Mike Morris view an x-ray.



confidence that I could be a preceptor. I thought there was no way I was smart enough to teach medical students. I had no teaching experience and I was pretty young. It was scary but they convinced me. After they told me about some other preceptors, I thought 'If they can do it, I can too.'

And he did, and has continued to do so for 23 years. His first student eventually returned as a physician and continues to practice medicine in Willmar. "He is our family physician now," says Munneke, with a smile. "I think we taught him pretty well or I wouldn't go to him myself."

Munneke and his Willmar clinic's team of physicians attest to the program's ability to draw students into rural practice. Of the other

six physicians at the Willmar Family Practice Medical Center, all were previously RPAP students and now serve as teachers, taking turns serving as primary preceptor.

Three of the physicians, Drs. Mike Morris, Mary Amon, and Mary Bretzman, worked specifically with Munneke as RPAP students. Morris, the first RPAP student to join Munneke as a physician, says, "Working with Dr. Munneke for a year as a student modeled many important things for me about caring for families and being concerned for all members of the family. One thing I learned from him was to ask two questions: 'How does this illness affect the family?' and 'How does the family affect your illness?' He taught me that keeping those questions in mind will add to the care of the patient."

The other clinic physicians are equally enthusiastic supporters of the program. "I had many classmates in residency that had never seen head lice, had never seen diaper rash, or discussed the causes of sore throat. Students need to be exposed to as many common things as possible because those are the things they will see a lot of in practice," says Dr. Kevin Switzer.

The length of the RPAP experience is another attribute that sets it apart. Nine months allow the students time to see a more complete view of primary care and to develop relationships that teach more than the basic facts. "For example, in your OB experience, instead of doing just a six-week rotation on the delivery floor, in RPAP you are here for nine months. You can follow a woman from diagnosing her pregnancy, to prenatal, to the delivery, to caring for the baby," explains Dr. Tony Amon, Willmar Family Practice Medical Center. "It's a whole continuity — making a diagnosis of high blood pressure, educating the patient, following it through, taking into account the family situation and financial situation, things you wouldn't necessarily take into account during a hospital rotation."

The continuity and the extended learning relationships are important factors to current students. "I like the idea of being

in one place for nine months. The stability of getting to know the physicians and their experiences, being part of the community, and getting to know the patients is important to me," says Stephanie Hansen, an RPAP student in St. Peter, Minnesota. "That type of continuity can only be achieved over time."

Drinking from a fire hydrant

The first few weeks as an RPAP student can be somewhat overwhelming — like "trying to drink from a fire hydrant," says student Heidi Kjos, using one of her preceptor's favorite phrases. Kjos arrived at the Willmar Family Practice Medical Center in the beginning of November and by mid-month had already worked with several physicians and met many patients. Although she works closely with her primary preceptor, Dr. Mike Morris, she also continues to work with other physicians in the clinic and the community.

During the first couple of weeks Kjos was introduced to the community, hospital, clinic, and other area health professionals such as the public health nurse, pharmacists, and social worker. She was also assigned 8 to 10 nursing home patients to follow throughout her stay. In a typical day, Kjos will accompany Morris on hospital rounds, assist in surgery, study independently, and evaluate clinic patients.

At first students may feel overwhelmed with the change in location, new information, and added responsibility. As a former student relates, the first three months can be especially difficult, then you hit your "glow" period and things start clicking. You now know some of the families and you have more responsibilities.

The nurturing nature of the program can also help students make the adjustment and overcome difficulties. Morris says, "When I was here as a student working with Dr. Munneke, if I had hassles or didn't know patients or felt frustrated, I was able to keep a clear vision of what my real life in medical practice would be like. That kept it fun and interesting; it really smoothed out the rough spots in the road."



One on one

For both Kjos and Hansen, the one-on-one relationship with the preceptor offers unique learning opportunities. "Being the only student here, I often have the first contact with patients. That makes a world of difference compared to other settings where I might be the third person to see them," says Hansen. "And, I'm not afraid to ask questions in this setting." The developing relationship between the preceptor and student often leads to more responsibility and more opportunities to learn.

Working with a number of physicians offers many perspectives, allowing the students to see a varied patient population and individual styles of practicing medicine. "All of the doctors are very approachable and willing to teach," says Hansen. "They are great about involving me. If they see something unusual or any standard bread-and-butter medicine they think I should know, they come and get me."

Students serve on-call with their physician-preceptors approximately every fourth night and every fourth weekend. While on

Stephanie Hansen, a St. Peter RPAP student, talks with a patient.

What is the best way to introduce a student to the challenging world of rural medical practice?

Total immersion.

Elbow Lake
Granite Falls
Aitkin
Parker's Prairie
New Ulm
St. Peter
Pine River
Luverne
Dawson
Cloquet
Waconia

Two
Canr
Payr
Redv
Wate
Mad
Blue
Fair
Nort
Ely
6
St. Cloud

call, they may see patients in the emergency room, admit patients to the hospital, or participate in after-hours surgery or deliveries. In addition to working with their own preceptor, students often have additional opportunities to work with surgeons, internists, pediatricians, and other specialists.

Marking progress

Two communication sessions are held to help evaluate the student's interview ability and patient relation skills. At each session, an RPAP faculty member visits the student for a day and videotapes him/her interviewing a patient. After the tape is reviewed, the student and faculty member discuss interviewing skills and various psychosocial factors of the interview. The faculty reviewer will evaluate how well the student is adjusting to the community and will answer any questions. Then, the preceptor, student, and faculty member meet to discuss evaluations, hours,

call schedule, the preceptor's expectations, and study time.

Four specialty faculty visits are also scheduled, with groups of generally three students gathering in one community to meet with a faculty member from the University of Minnesota Departments of Medicine, OB/GYN, Pediatrics, or Surgery. Before each visit, the students prepare two written case presentations of patients with problems related to the visiting faculty member's specialty. They then present the cases orally to the Medical School faculty. RPAP and specialty faculty comment on the written and oral presentations, and review the diagnosis and therapeutic plans.

During faculty visits, preceptors and other local physicians may spend time with colleagues from the University. The host student gives a lunch presentation, followed by a presentation from the visiting faculty. "When the faculty come out, I've had a chance to meet them and we've had some great sessions," says Munneke. "I've learned things I never really had a chance to learn in medical school. As a preceptor, I've had the opportunity to benefit from working with several faculty members."

Learning by teaching

In his 23 years of RPAP work, Munneke has also developed a succinct definition of the preceptor's role and potential influence. "As preceptors we have a real obligation to set an appropriate example, an appropriate style, of how you care for patients and their families. That is our obligation as preceptors — modeling," explains Munneke. "That is what makes good family doctors. That is how RPAP makes good family doctors."

Preceptors not only have a significant responsibility, they can also benefit personally and professionally. Becoming aware of personal practicing style can help a physician refocus on the patient. Morris says that "whenever you are teaching, you learn better yourself. As you take time to teach, it helps make sure you slow down, visit longer with a patient. And it stimulates you to look more things up or learn more about a partic-

Telemedicine links U to rural areas

The Telemedicine Center, designed to open new lines of communication between the University Academic Health Center (AHC) and out-state providers and patients, has been in operation for a little over a year. A state-wide network linking University physicians to hospitals, physicians, clinics, and nursing homes throughout Minnesota is planned for the near future. University specialists may also some day pay house calls to patients in rural areas via computers or television monitors.

Telemedicine consultations are already being conducted, linking the AHC to distant sites via an interactive video link. This opens the way for long-distance consultations, student supervision, continuing physician education, and administrative meetings. As of March 1, nearly 100 consultations had been conducted.

Student "externs" in medicine, pharmacy, and nursing are already using the technology to keep in touch with their departments and supervisors throughout the state. The Rural Physician Associate Program has greatly benefited from the system.

In 1994, a 3-year \$1 million federal grant was awarded that enabled the University to establish the center and the telemedicine network that extends to five Minnesota cities: Fergus Falls, Red Wing, Hibbing, Wadena, and Alexandria. Plans for a site in Staples are near completion. Telemedicine Center Director Dave Garloff expects the network to expand and interact with other networks in the near future.

ular topic, which helps with your continued education. I also think it's fun. We have a good time together and it's nice to have company in my work. It's exciting to see young physicians who are growing. It's just a blossoming of clinical skills and confidence."

Participating physicians also have access to current information and resources through a computer link-up that comes with the students. Since 1984, RPAP has used computers to enhance education and clinical care. Each teaching site is equipped with a personal computer linked to the Upper Midwest Healthcare Network where students and preceptors can perform literature searches, order medical literature, communicate with the University and other RPAP sites, and supplement learning with computer-based educational programs.

Community connection

How does a community, and a physician or group of physicians, become involved in RPAP? A core group of clinics participate nearly every year but often some new communities volunteer to participate. Other times, a former RPAP student may be practicing in a rural area and, based on past experience as a student, calls to serve as a preceptor. Occasionally students make the inquiry themselves. There are many ways for communities to become involved.

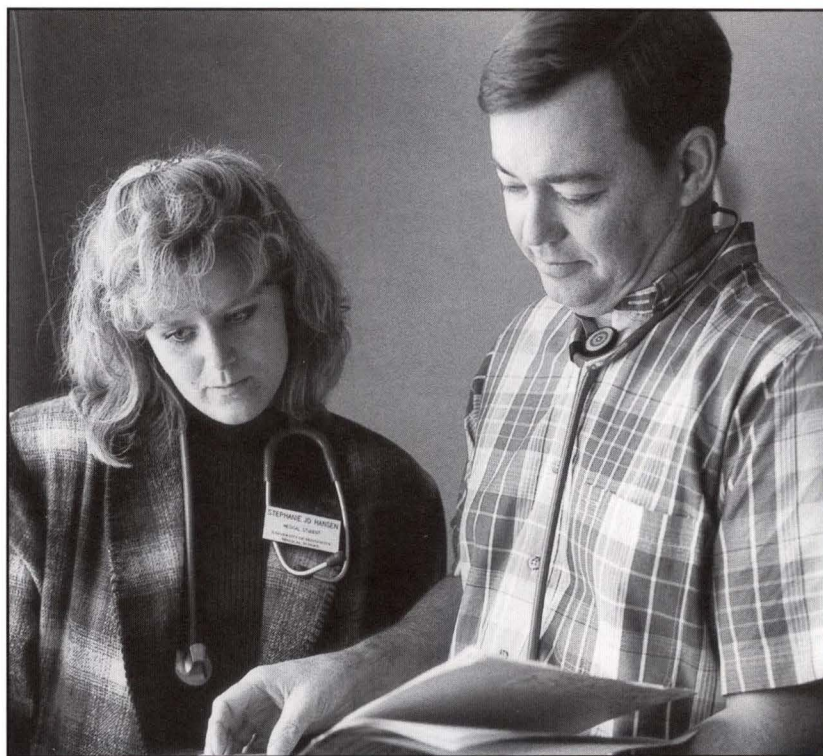
Relationships between the rural physician and the community are crucial to the doctor's success. RPAP offers students a chance to immerse themselves in a community to see how well they and their families would adapt to a different setting.

When Morris (an Edina, Minnesota, native) moved to Willmar for RPAP, his wife also relocated and had to find a different job. Their successful integration into the community was an important factor in their decision to return. "My wife and I really valued how we could make a difference, how we could contribute to the social and civic life of the community," says Morris. "I liked that people that I saw as patients might also be my neighbor or someone I share activities with — I really like the blended worlds."

Some students, like Morris, are not originally from rural areas yet they often return to practice in rural communities. "It's a joy to see some of the students who have come from the suburbs and participated in our program, then return to practice in greater Minnesota," says Wally Swentko, RPAP director. "There's a real magic that happens during RPAP that we can't take credit for."

In Willmar, people have grown to expect to see medical students. They welcome

Hansen and primary preceptor Dr. Mark Akland.



them into the community and accept them as medical practitioners. Since the students are able to develop patient relationships over time, it is not unusual for a patient to request the medical student during a clinic visit.

Being removed from their established network of family and friends, students find it necessary to integrate into the community. For Kjos, it has been easy to blend in. In fact, she's already playing flute in the local band and in church. "Those are the kind of things that not only draw you into

The developing relationship between the preceptor and student often leads to more responsibility and opportunities to learn.

25th Anniversary Reunion

In May, faculty, former RPAP students, and other physicians will celebrate RPAP's 25th anniversary with the first formal reunion. It will be held in conjunction with the Department of Family Practice and Community Health reunion and all classes are welcome. For information call RPAP, 612-624-3111 or Family Practice, 612-624-2622.

the community," says Munneke, "but they draw you out of medicine and make you part of the community. We want our students to realize that it is important to make sure they can maintain a lifestyle that is not all medicine."

Surpassing goals

Technically and officially, students must meet the same criteria as students in equivalent rotations. Preceptors submit a formal written evaluation every six weeks, with criteria identical to those used on other University medical student rotations. Grades are determined from the preceptor evaluations, the specialty faculty evaluations, and RPAP faculty and staff evaluations.

Students also evaluate the RPAP experience, with reports that they spend an average of 59 hours per week in the clinic and hospital, are responsible for 16 new patients, and have 35 hours of direct teaching contact with their preceptor each week. The overall experience was rated as excellent or very good by 96.7 percent of the students.

From the number of RPAP students who get their first choice of residency and the number of residency programs that request RPAP students, the RPAPers seem to be well prepared. Some midwestern family practice program directors have said that "the medical students from Minnesota who have been through RPAP and interview at our residency are the best people we have coming through" and that "without any reservations, these students far excel the average applicant."

Former RPAP students are more likely to get their first choice for residency programs. In 1995, 78 percent of RPAP students got their first choice compared to 65 percent of University non-RPAP students. According to one student, "RPAP and its national reputation gave me a big edge over many others, and I owe a lot to the program for my success in the match."

Continued momentum

While the national and state momentum have only recently turned toward primary

care, RPAP has been successfully facilitating students' choices toward primary care for the past 25 years. RPAP has demonstrated that there is a strong possibility that students do indeed return to those communities they've served in. As of October 1995, there were 234 former RPAP students in practice in greater Minnesota. Of the 555 former RPAP students now in practice, 62 percent are practicing in rural communities, and 68 percent specialize in family practice.

Currently, 43 students are enrolled in RPAP. It is estimated that the program could expand to accommodate 50 students with additional funding and support. Two administrators, Swentko and Dr. Dan Mareck, oversee the program and travel throughout the state to promote it, evaluate communities, and participate in faculty visits.

RPAP has been held up as an example for other schools throughout the nation. "Our program has been a model for other medical schools including the State University of New York at Buffalo, Marshall University in West Virginia, the University of Nevada at Reno, the University of Kansas at Wichita, and the WAMI program which represents Washington, Alaska, Montana, and Idaho," says Swentko.

Looking forward

"We have people who care, who really mentor the students. They're not just teachers putting in time but are truly looking after the students' best interests and want them to succeed, to learn, and to grow not only in medical-related areas but in balance and life-related areas," says Swentko.

By the end of August, RPAP will have shown this year's students a side of medical practice that they could only see firsthand. Because of that experience, many will choose to return to rural areas as doctors. ■

For the Children

The University Children's Foundation is helping find solutions to childhood diseases through research. by Jean Murray

"Many mysteries exist that affect the health of children," says Dr. Alfred Michael, head of the Department of Pediatrics. "Why does one child develop diabetes? Why do others have serious infections? Why are there learning disorders and mental retardation? Solutions to these and other questions will arise from the research laboratory. We must understand a disease at its most basic level before we can develop a cure. Discovery takes time, answers come slowly. We need a long-term investment in people to get the long-term answers."

A lot of people are working hard to find the answers. Researchers, clinical physicians, parents, donors, and many dedicated volunteers are all vital pieces in the puzzle. Although there has been a great deal of progress in cure and treatment of children's diseases, there is still a long way to go.

The objective of the University Children's Foundation (UCF) — an affiliate of the Minnesota Medical Foundation — is to improve the lives of children and adolescents by developing solutions for the prevention and treatment of disease.

The answers, as Michael says, will

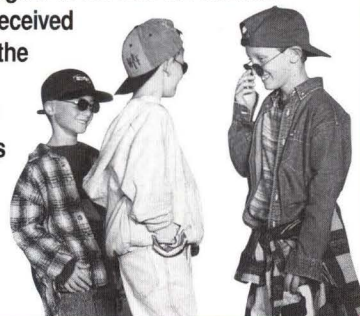
come from research. Each summer, an event called Catch a Rising Star raises funds for the UCF Scholar Award, given to support the medical research of faculty members in the University of Minnesota Department of Pediatrics. For the past six years, talented young investigators have used the award money to advance research in diverse areas of childhood diseases.

The dangers of diaper rash

Candida diaper rash is one of the most common infections found in infants, and is usually easily treated. In premature infants, however, there is a much greater risk. Dr. Catherine Bendel, the most

The third annual Nordstrom Back to School Fashion Show was held in August at the Mall of America.

Children who have received care from faculty in the Department of Pediatrics volunteer as models. Proceeds support research into childhood diseases.





Dr. Catherine Bendel

recent recipient of the UCF Scholar Award, says, "Premature babies don't just get diaper rash. They can actually get the yeast into their bloodstream and then they get infections in their heart, lungs, eyes, brain, kidneys — and they can be devastating infections."

Bendel, a neonatologist, is working with Dr. Margaret (Peggy) Hostetter, head of pediatric infectious diseases. "With premies being so susceptible to these infections and getting so sick, it turned out to be a common interest for us," says Bendel.

She explains that the infections are very difficult to treat, and that medicines have to be given for a long period of time. Other investigators are working to develop better medicines to treat the infection once the diagnosis is made.

Bendel and Hostetter are taking a different approach. "We decided to try to understand the bugs better and figure out a way to prevent the infection," says Bendel, "rather than just treat it after its been diagnosed."

Bendel is looking at the molecular level of the yeast organism to determine what it is that makes it stick to the skin and mucous membranes — with a goal of finding a way to interrupt that process. If the yeast is prevented from adhering to surfaces, the infections would be less likely to develop.

Using a tissue culture model, Bendel has characterized a receptor on the surface of the yeast that helps it stick to the epithelial cells. She has also been able to interrupt this adhesion with various treatments in the laboratory.

The next step, supported by the UCF Scholar Award, is to extend this work to a mouse model, where she can try and interrupt the adhesion of the yeast. "We want to see if we can decrease how much the yeast grows and decrease the number of infections," says Bendel. "We hope eventu-

ally to be able to use these findings as a treatment for babies and other individuals."

Bendel is quick to emphasize the importance of the UCF Scholar Award. "It's given me the opportunity to continue the research I had started as a fellow," she says. "I'd gotten to a certain point and the award allowed me to continue, to keep the momentum of the project going."

"I also feel it's a real honor for the department to have that much confidence in me and want to help me with my research," she adds.

Helping infant lungs work right

The function of an infant's lungs changes dramatically at birth. Prior to birth, the lungs receive less than 10 percent of the blood pumped by the heart, with blood flow to the lungs limited by the high blood pressure in the fetal lung circulation. At birth, under normal conditions, blood flow rapidly increases and pulmonary blood pressure decreases to allow the baby to receive an adequate supply of oxygen.

In some infants, however, the blood pressure in the lungs remains high and blood flow low, resulting in persistent pulmonary hypertension of the newborn (PPHN) and dangerously low levels of oxygen in the bloodstream. Dr. David Cornfield, the 1994-95 recipient of the UCF Scholar Award, is a pulmonologist and critical care specialist who is trying to find a way to understand and control this situation.

"Some reports estimate as many as 10 percent of all babies admitted to neonatal intensive care units around the country suffer from some form of persistent pulmonary hypertension of the newborn," says Cornfield. "It's a big problem."

Cornfield says that despite more than 40 years of active investigation, the mechanisms responsible for the maintenance of high blood pressure in the lungs of babies prior to birth and the transition to post-natal life are not completely understood. Due to the uncertainty about these mechanisms, treatment options are poor and at this time, neither prevention nor cure is possible.

"Clear understanding of the mechanisms responsible for the regulation of pulmonary blood flow before and after birth is necessary," says Cornfield. He explains that while ion channels that allow for molecules such as calcium and potassium to enter and exit cells play a central role in the regulation of blood flow in virtually every part of the human circulatory system, the understanding of this mechanism in the fetal and newborn lung is poor.

The UCF Scholar Award will help Cornfield examine the role of these ion channels in the unique environment of the fetus and newborn. "Improved understanding of the function of these channels," he says, "will also provide important insight into the control of normal and

abnormal pulmonary vascular tone in both pediatric and adult patients." He emphasizes that his collaboration with two cardiologists at the Minneapolis VA Medical Center, Drs. E. Kenneth Weir and Stephen Archer, has been essential to the success of the project.

A treatment program established by Cornfield and his colleagues is currently underway for patients of all ages. The technology involved is inhalational nitric oxide. "We're principal investigators in a collaborative trial throughout the Twin Cities, and also some international trials, for inhalational nitric oxide on a clinical basis," says Cornfield.

"The tremendous generosity of the UCF Scholar Award has allowed me to have a lot of latitude in my laboratory endeavors," he says. "It allowed me to embark on several projects simultaneously, all of which have come to fruition.

"Perhaps even more important than the money or the recognition," says Cornfield, "is the knowledge that there's a community behind you that is interested in what you're doing and has invested in a very real way in the work that's being done at the University. It translates into excellent care for children."

Enhancing antibody production

Nutrition and immunology go hand in hand when the patients are babies, and Dr. Harumi Jyonouchi, the 1993-94 UCF Scholar Award recipient, is trained in both fields.

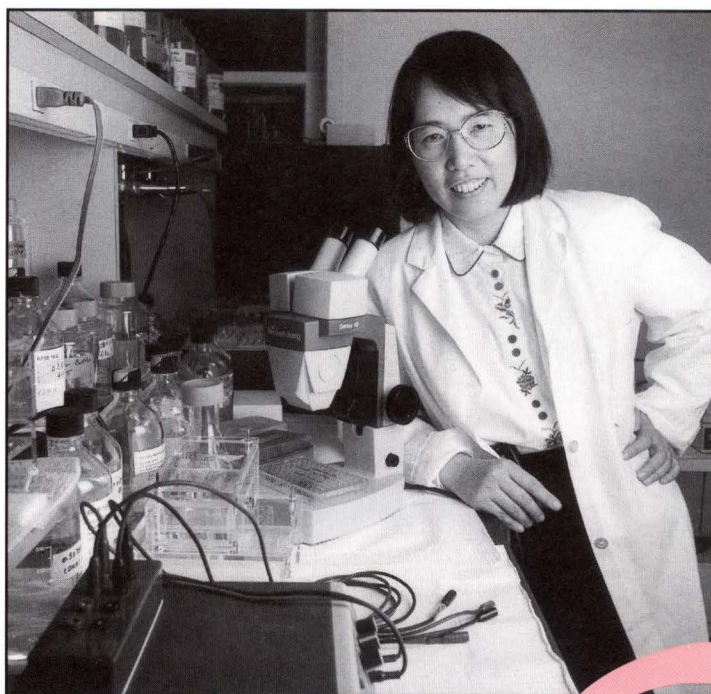
Babies are born with relatively immature immune systems, says Jyonouchi, which makes it hard for them to fight infection. And this poor antibody production has made it difficult to develop effective, safe vaccines.

With the help of the UCF Scholar Award, Jyonouchi is studying the role of nucleotides in maintaining optimal immune function in infancy. Nucleotides are nutrients which occur naturally in breast milk, and which have been shown to enhance antibody production in both test tube and animal models.

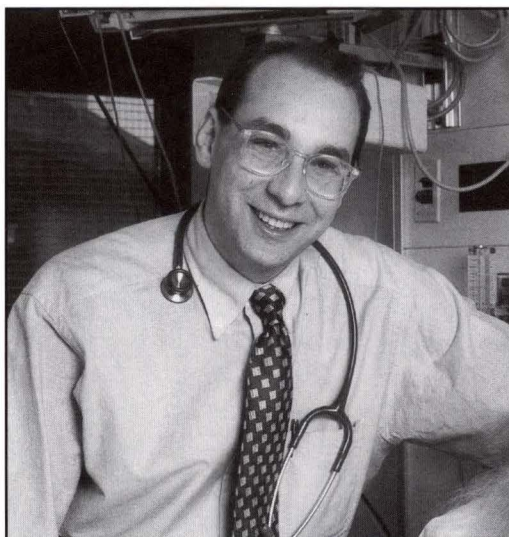
"The UCF Scholar Award helped me get the nucleotide study on track," says Jyonouchi. "It is a very new field with not many people involved, so it was hard to get a grant funded. The UCF Award was very helpful in getting the preliminary data I needed, and in getting additional funding through other sources."

The nucleotides Jyonouchi works with are purified from yeast. "The nucleotides have been shown to influence the immune system," says Jyonouchi, "especially antibody production." She believes that demonstrating that nucleotides enhance antibody production in newborns and young infants could lead to preventative measures for these children.

Clinical studies are still in the early stages, however.



Dr. Harumi Jyonouchi and
Dr. David Cornfield.

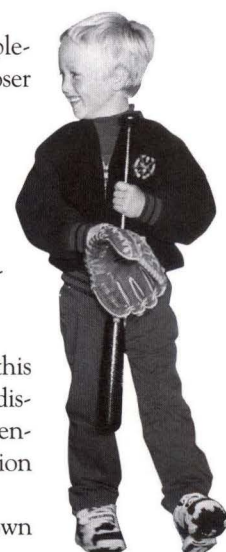


"We are continuing to work on how to supplement formula with nucleotides to make it closer to breast milk," says Jyonouchi. "Nutrition and immunology together is a new field. We don't know how all the nutrients work yet."

Targeting lymphoma

Epstein-Barr Virus is the causative agent of infectious mononucleosis. It becomes incorporated into the B-cells of an infected person. In individuals with normal immune systems this virus does not manifest itself in significant disease, but in individuals with an immune deficiency it can result in the uncontrolled proliferation of the infected B-cells, called lymphoma.

The University of Minnesota is well-known



for its organ and bone marrow transplant programs. A key component of successful transplants is suppressing the immune system of the transplant recipient, which then makes these patients susceptible to lymphoma.

Immunologist Dr. Ralph Shapiro, the 1992-93 recipient of the UCF Scholar Award who is no longer at the University, used his award to look into how the expression

of the Epstein-Barr Virus is regulated in the B-cell. His research was aimed at providing more information on how to prevent or treat this lethal disease.

Potent new anti-cancer drugs

Great strides have been made in curing childhood cancers in the last few decades, thanks to modern chemotherapy treatments.

Some patients, however, do not respond to standard therapies. The 1991-92 UCF Scholar Award helped pediatric oncologist Dr. John Perentes develop new ways to treat these cancers by using recombinant DNA technology to design and produce new anti-cancer drugs.

Specifically targeted was myeloid leukemia, which affects as many as 16,000 Americans each year. Available therapies have not been successful in curing most people with this disease because they are not specific for killing leukemia cells, and they create life-threatening side effects by damaging normal tissue.

The new chemotherapies developed by Perentes are safe for normal tissues in laboratory tests, and are now being tested in mice and monkeys. The process involves genetically altering the potent pathogen of children, diphtheria toxin, so that it no longer binds to normal human tissue but instead kills leukemia cells.


"Diphtheria toxin kills cells by first binding to their surface, then entering the cytoplasm, and finally inactivating protein synthesis," says Perentes. "In the laboratory, I have used genetic engineering techniques to delete the portion of the diphtheria toxin gene that encodes its disease-producing binding domain. I have replaced this toxin gene with hormone or lymphokine genes that target malignant cells.

"Transfer of the DNA which encodes this genetic fusion of toxin and cancer-targeting hormone into microbial cells results in the production of a recombinant protein that will specifically target cancer cells and kill them by virtue of the toxin activity," says Perentes.

He emphasizes that initial support from UCF was responsible for the awarding in 1994 of his grant entitled, "Genetic engineering of recombinant anti-cancer drugs" from the National Institutes of Health (NIH). In 1995, he received a Translational Research Grant Award from the Leukemia Society of America for his research.

"The success of my laboratory program is directly related to

McQuarrie and Jundt awards support innovative research

 The Irvine McQuarrie Research Scholar Award was established to honor Irvine McQuarrie, M.D., head of the Department of Pediatrics from 1930 to 1955, and to provide seed money to young faculty members during the early years of their academic careers. Recipients have included:

1990/91 and 1991/92: Kimberly Krabill, M.D., Division of Cardiology. Her interest in the prenatal diagnosis of congenital cardiac malformations led to her study to determine how early in gestation an invasive catheter procedure can be performed to aid the fetus without causing undue risk to the fetus and mother.

1992/93 and 1993/94: Emmanuel Katsanis, M.D., Division of Bone Marrow Transplantation. His research involves studying strategies to enhance killing of neuroblastoma cells by lymphoid effectors.

1994/95 and 1995/96: Paul Orchard, M.D., Division of Bone Marrow Transplantation and Institute of Human Genetics. He is studying the potential for leading cells of the immune system directly to the cancer cell by engineering the immune cells to produce antibodies on their cell surface that recognize the cancer cells.

The Alexander Charles Jundt Research Award was established to encourage the innovative entrepreneurial spirit of the faculty to explore new areas of pediatric medicine. The award supports the research project most likely to generate National Institutes of Health support in the future. Recipients have included:

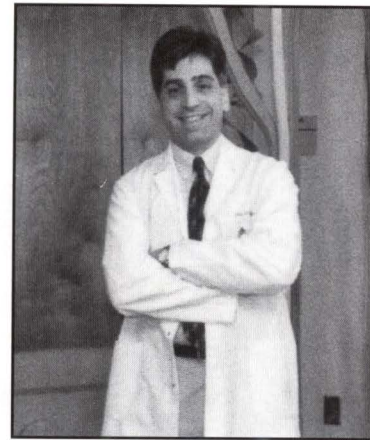
1992: Susan Berry, M.D.,
Division of Genetics/Metabolism.

1993: John Wagner, M.D.,
Division of Bone Marrow Transplantation.

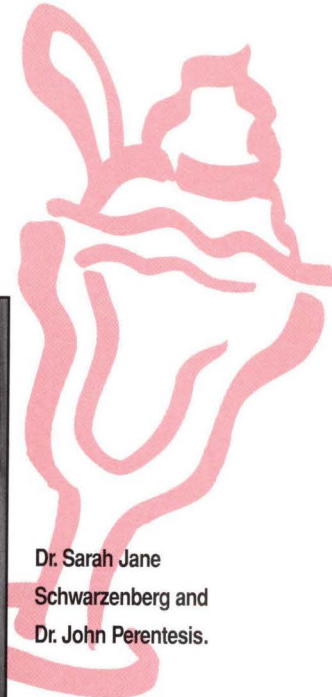
1994: Paul Orchard, M.D.,
Division of Bone Marrow Transplantation
and Institute of Human Genetics.

1995: Warren Regelman, M.D.,
Division of Pulmonary/Critical Care Medicine.





Dr. Sarah Jane
Schwarzenberg and
Dr. John Perentesis.



the past support of pilot research projects by the UCF," says Perentesis.

Controlling growth hormone

Growth hormone contributes to the normal development and function of body organs such as the liver and kidney, as well as being responsible for the final height of growing children. When one of these organs is damaged, growth hormone can be administered, but the treatment has a detrimental effect on the child's bones.

Pediatric gastroenterologist Dr. Sarah Jane Schwarzenberg, the 1990-91 recipient of the UCF Scholar Award, has detected and purified two of the major "second messengers" or proteins of growth hormone. The proteins target the kidney or liver, producing some of the effects attributed to growth hormone. The positive effects of growth hormone can then be limited to a single organ system and the child can develop normally.

Significant progress has been made in Schwarzenberg's research in the five years since she received the award. "The UCF Award gave me the time and the money to get the preliminary data, which led to a FIRST (First Independent Research Support and Transition) Award from the National Institutes of Health," she says.

Schwarzenberg has continued studying the proteins that led to the NIH award, but "I've limited it now to one protein," she says. "It's a growth hormone responsive protein that's only present in the liver and kidney. It's a regulator of growth hormone action — instead of actually doing the work itself it's somehow regulating the actions of growth hormone. We've been trying to purify the protein which is a long and tedious project."

In the long run, says Schwarzenberg, understanding

how growth hormone works is essential to manipulating its actions. "Growth hormone has many different effects on the body so that it alters growth," she says, "but it also alters metabolism in some ways and it alters protein synthesis and release of fat and glucose metabolism. In some diseases, you would like to be able to have one action of growth hormone without having to have them all — to be able to break down how growth hormone does each of these actions and perhaps find ways to just go down one path."

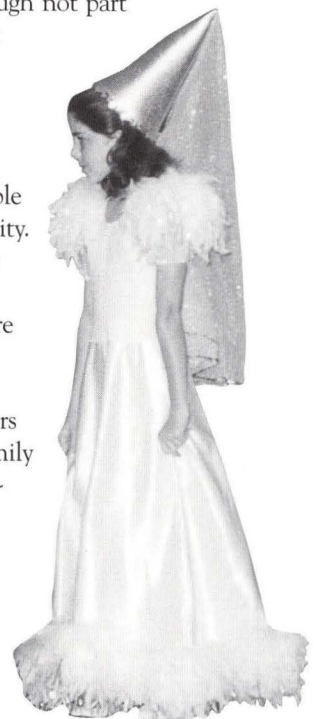
Schwarzenberg is also working with Dr. Susan Berry on the regulation of the gene, trying to determine how inflammation can produce different responses in two otherwise very similar genes. The project, although not part of the original UCF Scholar Award, grew out of the award, according to Schwarzenberg.

A community effort

The research projects underway by the UCF Scholar Award recipients would not be possible without the generous support of the community. Annual events including Catch a Rising Star and the Nordstrom Mall of America fashion show raise critically important funds which are needed to continue the investigations into numerous childhood diseases.

Throughout the year UCF board members and dedicated volunteers, including many family members of ill children, work together to support the goals of the University Children's Foundation.

"It is a three-part marriage," says Dr. Alfred Michael. "The University, the community, and the children, all involved in eliminating childhood diseases." ■





Charting a New Course:

MMF's Fifty-Seventh Annual Meeting

Dean Frank Cerra
is optimistic about
the future.

“The efforts of the Minnesota Medical Foundation are absolutely critical to the Medical School,” according to Dr. Frank Cerra. “The dollars raised support medical education, fund new research, and develop new programs. I’m committed to working with MMF and helping it achieve its goals.”

Cerra, who was named dean of the University of Minnesota Medical School in May, 1995, was the featured speaker at the Minnesota Medical Foundation’s 57th Annual Meeting, held November 8 at the Radisson Hotel Metrodome.

The Academic Health Center (AHC) and the Medical School are tremendous resources to our state, said Cerra, with the Medical School training most of the physicians who practice in Minnesota.

Cerra discussed the changes that academic health centers and medical schools face

in a managed care environment, keeping in mind the goals of quality care and access to care. He said that both external and internal changes are underway at the University of Minnesota AHC.

“Externally, we are trying to fit better into the community, to communicate better with those outside the University, to develop programs, while still maintaining our role as a public resource,” said Cerra. “We are having many discussions with health care providers in the community, finding ways to work together.”

Cerra said that internally the AHC is in the process of strategic planning and reengineering, under the leadership of Provost William Brody. “Dr. Brody has a vision for the AHC,” said Cerra. “He’s teaching us about new kinds of management tools.

“Our biggest resource is our people — our faculty and staff,” said Cerra. “We need to all work together, to build systems, communicate openly, to dialog with each other and solve our problems together.

“I am incredibly optimistic about the future,” Cerra concluded. “The future is very bright if we all work together.”

Board members recognized

New MMF board members were recognized at the Annual Meeting, as were academic award winners, donors, and volunteers.

Two individuals joined the MMF board of trustees, which is made up of faculty of the University of Minnesota Medical Schools, leaders in the medical community, and representatives of the corporate community. The board is charged with the overall guidance of MMF in accomplishing its mission of supporting research and education at the University of Minnesota Medical Schools in the Twin Cities and Duluth.

New board members include: Roger L. Headrick, Orono, president of the Minnesota Vikings, and Jerry Willcox, Golden Valley, president of ECA Capital Management, Bloomington.

Several board members have concluded their terms in office, and were recognized at the Annual Meeting for their generous contributions to MMF. Board members who retired during the past year include William A. Cooper, Margaret Matalamaki, Charles F. Moldow, M.D., Steven Sjoblad, David Sonstegard, Ph.D., and Daniel C. Titcomb.

At a special reception preceding the Annual Meeting dinner, recipients of MMF-funded teaching awards were recognized. Distinguished Clinical Teaching Awards were given to Laurel Drevlow, M.D., Mitchell J. Einzig, M.D., Walter C. Hildebrandt, M.D., Virginia Lupo, M.D., and Terry Rosborough, M.D. Distinguished First- and Second-Year Teaching Awards went to Stephen A. Katz, Ph.D., and Valerie K. Ulstad, M.D.

Distinguished Medical Resident Teaching Awards were given to Royal M. Becker, M.D., Thanh Duong-Wagner, M.D., Donna Milavetz, M.D., Todd J. Morris, M.D., Scott L. Nyberg, M.D., and Henry R. Thompson, M.D. UMD teaching awards went to Arlen R. Severson, Ph.D., and Arthur C. Aufderheide, M.D., for Basic Sciences Teacher of the Year, and to Richard Hellman, M.D., for Clinical Science Teacher of the Year. ■



Top, Jerry Willcox; center, Roger L. Headrick; bottom, Dean Frank Cerra.

Investing in the Future: Medical Student Scholarships

The Dr. Vernon D.E. Smith Scholarship

Dr. Vernon D.E. Smith's zest for life showed in the way he immersed himself in every endeavor. As a surgeon and general physician, photographer, expert fisherman and hunter, skier, and pilot, he excelled in each field.

A staunch supporter of the University of Minnesota Medical Schools, Smith, Class of 1931, was also heavily involved in generating scholarship and loan dollars for medical students. In 1939, Smith and about 10 other physicians started the Minnesota Medical Foundation to help provide private support for the University of Minnesota Medical School. MMF continues to raise and disburse funds for medical education and research at the Medical Schools in the Twin Cities and Duluth.

As a University student, Smith received a benevolent financial gift from zoology professor, Dr. Charles Sigerfus.

Sigerfus had given him the funds to allow him to join the Beta Theta Pi fraternity. When Smith returned to repay Sigerfus, he was told to keep the money and give it to some other good, young fellow. Many times, Smith gave financial support to struggling University students.

His philosophy of giving is carried on through the MMF scholarship program. In memory of Smith, who died in 1987, and in honor of his achievements and ideals, the Dr. Vernon D.E. Smith Scholarship was established to assist medical students. "The scholarship was such an appropriate way to honor him," says his daughter, Marilou Birkeland. "He loved the Medical School so much and was eager to help other students begin their careers in medicine."

A former board president of MMF, Smith dedicated



Dr. Vernon D.E. Smith

much energy to developing and promoting the organization. His enthusiasm for the University also overflowed into numerous areas of his diverse life. Often, he promoted the Minnesota Medical Foundation during showings of his famous hunting and fishing films. "We used to joke that he wouldn't let his hunting partners out of the boat until they promised to support MMF," says his daughter.

Smith's accomplishments were recognized by many throughout his life. He graduated from the Medical School with highest honors — Phi Beta Kappa and Alpha Omega Alpha and the Sigma Xi Key for his anatomy research. In 1964, he received the Harold S. Diehl Award in recognition of his outstanding professional contributions to the Medical School, the University, and the community. He was also the first person named honorary trustee for MMF. Smith was former president of the Northwestern Medical Association, the Minnesota Academy of Science, the national Nu Sigma Nu medical fraternity, and the St. Paul Surgical Society.

Through the Dr. Vernon D.E. Smith Scholarship, his generous spirit and adventurous approach to life continue to be acknowledged. Last fall, medical students David Gray and Cherie Homuth received the Dr. Vernon D.E. Smith Scholarships to assist them in their medical education.

Gray, a third-year student, decided to pursue a career in medicine because it is challenging and interesting. "It allows me to combine people and science," says Gray. "And, medicine is a career that will keep me interested in my work long-term." He hopes to practice family medicine, and will most likely serve in a smaller community.

The scholarship was a welcome help for Gray. "It was good timing — it truly helps," he says. "It's helpful to know that there are people who are willing to assist us. It's reassuring." ■

A Critical Need

There is a critical need for scholarships for medical students. Tuition and fees for first-year, Minnesota-resident students now exceed \$16,000 with total annual budgets of approximately \$27,000. Tuition and fees for non-residents are more than \$31,000, with total budgets reaching \$42,000.

In order to maintain the high quality of physicians graduating from the University of Minnesota Medical Schools, the Minnesota Medical Foundation has made scholarship support a top priority. The MMF board of trustees is committed to increasing scholarship support to medical students by 20 percent annually by raising a minimum of \$3 million to add to scholarship endowments by the end of fiscal year 1998.

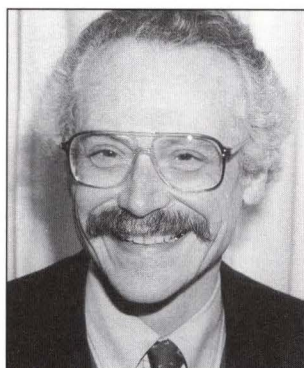
In the past year, MMF presented 235 individual scholarships totaling \$290,550. In each issue of the *Medical Bulletin* we profile a scholarship currently given through the Minnesota Medical Foundation.

Armed for antiviral research

University faculty investigators are prepared to tackle antiviral research. With a \$1 million endowment, the International Center of Antiviral Research and Epidemiology (I CARE) was formed in cooperation with the Minnesota Department of Health. The center will focus on the herpes family of viruses, HIV, and newly discovered viruses.

I CARE is the first center to combine three University research divisions — clinical trials, virology, and pharmacology. The team of researchers will quickly identify, track, and treat viral diseases. They will collaborate with the Health Department's disease-investigating epidemiologists and its Emerging Infection Program. The center also has arrangements with Hennepin County Medical Center, St. Paul-Ramsey Medical Center, Nebraska and Iowa universities, and with researchers in Europe.

According to **Dr. Henry Balfour, Jr.**, professor of laboratory medicine and pathology, the center is unique in the country and will conduct cutting-edge research. The initial endowments from Glaxo-Wellcome, Inc. and Astra USA are only a portion of the money needed to keep it going. Balfour says \$5 million more will be needed. Plans are already underway to raise the additional funds. ■



Dr. Henry Balfour, Jr.

Biomedical breakthroughs showcased

The University of Minnesota's latest biomedical breakthroughs were showcased at the Weisman Art Museum on November 20. The display kicked off a \$12 million campaign to permanently endow the Biomedical Engineering Institute (BMEI).

An artificial liver, a method for making cataract surgery safer, and a test-tube human artery were among the displays. Interactive demonstrations and testimonials from people who have benefited from biomedical products with University origins were also offered. The Medtronic Foundation has already contributed \$2 million to the fund. ■

DEPARTMENTAL UPDATES

Anesthesiology

Dr. Kumar Belani, professor, received a major industrial grant to study a new non-invasive continuous blood pressure monitor. New faculty hired in 1995 include **Drs. Richard Carr, Joseph Frisch, Andrew Houlton, Michael Lyons**, and **David Pizzuto**. Four department members (**Drs. Belani, David Beebe, Henryk Swica**, and **Richard Palahniuk**) delivered lectures and workshops in Bombay, Delhi, Chandigarh, and Bangalore, India, in December.

Cell Biology & Neuroanatomy

Dr. Robert Elde, the J.B. Johnston Land Grant Professor of Neuroscience, has been named dean of the College of Biological Sciences. Elde will serve a one-year term, renewable for one year, but will not be designated as "acting" or "interim."

Dr. H. Joseph Yost, assistant professor, has received an Established Investigatorship Award from the American Heart Association. The Award runs from 1996-2001 and provides \$45,000 salary support and \$6,000 research support each year. Yost's lab is involved in research on the development of the heart.

Dermatology

Dr. Christopher Zachary, associate professor, is working on a laser resurfacing by carbon dioxide laser study.

Family Practice & Community Health

Dr. William E. Jacott has been appointed interim head of the University's Department of Family Practice & Community Health. Jacott replaces **Dr. Edward W. Ciriacy**, who has served as department head since 1971.

Laboratory Medicine & Pathology

Dr. John Eckfeldt, professor, received funding for a new National Heart, Lung, and Blood Institute (NHLBI) study. The multicenter study is designed to look for genetic factors causing hypertension, with the University laboratory as the biochemistry laboratory. There are five field centers (Salt Lake City, Utah; Minneapolis; Farmington, Massachusetts; Birmingham, Alabama; and Forsyth County, North Carolina), a coordinating center

Departmental Updates, continued

at Washington University, St. Louis, and a molecular genetics laboratory in the Howard Hughes Genetics Institute at the University of Utah.

Dr. Yoji Shimizu, assistant professor and holder of the Harry Kay Chair in Biomedical Research, will serve as a member of the NIH Pathobiochemistry Study Section, Division of Research Grants, until June 30, 1999.

Dr. Effie Tsilibary, assistant professor, received a North Star Foundation grant of \$36,000 to run from January 1 to December 31, 1996. **Drs. Tsilibary** and **Aris Charonis** were named as inventors on a patent filed recently on "Compositions and methods for detecting a change in alpha subunit integrin expression in kidney tissue." Other inventors on the patent include **Suman Setty**, a pathobiology graduate student.

Obstetrics & Gynecology

The department invites all OB/GYN alumni to a reception April 29, 5-7 p.m., at the Weston Tabor Center in Denver in conjunction with the meeting of the American College of Obstetricians and Gynecologists.

Ophthalmology

Dr. James E. Egbert, assistant professor, is serving a 1996 fellowship in ophthalmic plastic surgery in Cincinnati, Ohio. **Dr. Jay H. Krachmer**, professor and chair and holder of the Mackall-Scheie Research Chair in Ophthalmology, and **Dr. David A. Palay** of Emory University in Atlanta have co-authored the *Cornea Color Atlas*. The book features slides of the cornea and an accompanying text entitled *Cornea*, to be unveiled at the American Academy of Ophthalmology's 100th Anniversary Annual Meeting in October.

A graduation ceremony and reception were held December 15. Completing residencies were **Drs. Gary S. Schwartz** and **James E. George**. The Annual Continuing Medical Education course "Current Concepts in Ophthalmology: Multispecialty Conference" will be held April 12-13 at the Radisson Hotel Metrodome-U of M with the Minnesota Academy of Ophthalmology. The Academy Annual Dinner/Meeting is scheduled for April 12.

The multicenter clinical trial funded by NIH, Supplemental Therapeutic Oxygen for Prethreshold Retinopathy of Prematurity (STOP-ROPA), began January 1. **Dr. Terri Young** is principal investigator and co-principal investigator is **Dr. C. Gail Summers**, assistant professor. University of Minnesota Health Center-Fairview Riverside, CHC-St. Paul, and Hennepin County Medical Center are collaborating.

Summers is collaborating with the Minnesota Epilepsy Group (**Dr. Frank Ritter**, principal investigator) to study ocular associations with new anticonvulsants. The effect of contact lens correction on strabismus in pediatric monocular aphakia report, co-authored by **Dr. Sylvia R. Kodsi** (former fellow), **Summers**, and **Jane D. Lavoie**, was recently published in *Binocular Vision*.

Dr. Agnes S. Huang, assistant professor, is setting up an ophthalmic screening clinic at the Community University Health Care Center to provide free screening for glaucoma, diabetic retinopathy, cataracts, and other ophthalmic pathology.

Otolaryngology

Drs. David Hom and **Edward Szachowicz**, Division of Facial Plastic and Reconstructive Surgery, were co-editors of the recently published book *Wound Healing for the Otolaryngologist-Head and Neck Surgeon*.

Pediatrics

The Annual Pediatric Education, Research, and Service Recognition Banquet will be held at the Radisson Hotel Metrodome on June 14 to highlight individuals who pledge their careers to advance the cause of children and their health.

Dr. Margaret K. Hostetter, professor and director of the Division of Infectious Diseases and holder of the American Legion and Women's Auxiliary Heart Research Chair in Pediatrics, was named winner of the 1995 Rosenthal Award in Academic Pediatrics. The \$25,000 award is sponsored by the Rosenthal Foundation and honors outstanding contributions to academic pediatrics. Hostetter has used the money to endow a Junior Faculty Enhancement Award in the Department of Pediatrics. She also recently won the Award for Excellence in Research from the American Academy of Pediatrics (October 1994) and the E. Mead Johnson Award from the Society for Pediatric Research (May 1995).

Four pediatric faculty members have received the distinction of "Master Teacher" based on their outstanding accomplishments as teachers. Each recipient has been named Teacher of the Year four or more times by students. The recipients are: **Drs. Mitchell Einzig**, director of medical education, Children's Health Care-Minneapolis; **Margaret Hostetter**, director, Division of Infectious Diseases; **Joseph Sockalosky**, Children's Health Care-St. Paul; and **Youngki Kim**, professor of pediatric nephrology.

Radiology

On November 1 **Dr. Kamil Ugurbil** became the second holder of the Margaret and Harold Peterson Chair in Neuroradiology. He was also one of three featured speakers at the 1995 Radiologic Society of North America meeting, the largest medical meeting in the world. **Dr. William Thompson**, holder of the Eugene and Vilhemina Gedgaudas Chair in Radiology, professor and department chair, presided as the program chair for the meeting, which involved over 61,000 attendees with over 1,900 scientific papers presented. **Drs. M.M. Casilimas** and **Kent Remley** won a Certificate of Merit for an exhibit entitled "Cystid masses of the head and neck: Evaluation with CT and MR Imaging." **Drs. Joe Tashjian, Chris Engeler, Gordon Teel, and James Walsh** also won a Certificate of Merit for their exhibit entitled "Radiographic spectrum and percutaneous biopsy of thymic lesions." The department had seven posters presented at the meeting and seven papers were presented by members of diagnostic radiology.

School of Public Health

Dr. Russell Luepker, professor and head of the Division of Epidemiology, has been named chair of the Epidemiology and Disease Control Study Section of the NIH Division of Research Grants. **Dr. Willard G. Manning**, professor in the Institute for Health Services Research, has been elected to the Institute of Medicine. **Dr. John Himes**, Division of Epidemiology, has been appointed director of the Nutrition Coordinating Center, which develops methods and databases for collecting and analyzing dietary data. **Drs. Jon Christianson** and **Roger Feldman**, Institute for Health Services Research, have been named to receive the National Institute for Health Care Management Research Award for their article "The Effect of Market Structure on HMO Premiums," published in the *Journal of Health Economics*.

Surgery

Dr. David Dunn, holder of the Jay Phillips Chair in Surgery, has been named head of the Department of Surgery. Dunn, who has served as interim head since May, was appointed by Dean Frank Cerra following a nationwide search. He was president of the Association for Academic Surgery, presiding over the annual meeting held in Dearborn, Michigan, on November 8-11. He is currently the president-elect of the Society of University Surgeons — the only person to ever hold these two posts back to back. ■

MMF approves \$162,755 in grants

At its fall quarterly meeting, the Minnesota Medical Foundation board of trustees approved \$162,755 in research and special grants. The amount includes \$54,231 in faculty research grants, \$98,624 in special grants, and \$9,900 in student grants.

FACULTY RESEARCH GRANTS include: **Joan Bechtold, Ph.D.**, Orthopaedic Surgery, \$3,000, Stability of hip joint prosthesis as a function of bone density and prosthesis design; **Aristidis S. Charonis, M.D., Ph.D.**, Laboratory Medicine and Pathology, \$2,500, Evaluation of formation of advanced glycosylation endproducts (AGEs) in the process of tissue aging; **Michael Z. Gilcrease, M.D., Ph.D.**, Laboratory Medicine and Pathology, \$8,000, VLA integrins and CD44 in tumor cell adhesion; **Donald Humminghake, M.D.**, Medicine/Pharmacology, \$3,000, Role of human apolipoprotein E isoforms in cholesterol metabolism; **Craig Litz, M.D.**, Laboratory Medicine and Pathology, \$4,000, Study of cellular distribution of the Philadelphia chromosome in chronic myeloid leukemia; **Walter C. Low, Ph.D.**, Neurosurgery, \$5,000, Development of cancer vaccines using IGF-IR antisense for treating brain tumors; **S. Michael Mauer, M.D.**, Pediatrics, \$3,000, Antioxidants and diabetic neuropathy; **James B. McCarthy, Ph.D.**, Laboratory Medicine and Pathology, \$3,000, Novel leukocyte receptors that control leukocyte adhesion and inflammation; **Julie A. Ross, Ph.D.**, Pediatrics, \$6,231, Expression of H19 and IGF-2 in pediatric germ cell tumors; **Raymond E. Sicard, Ph.D.**, Surgery, \$6,500, Cellular microenvironments conducive to regeneration; **Keith M. Skubitz, M.D.**, Medicine, \$7,000, Identification of active sites in CD66a by use of synthetic peptides; and **Effie C. Tsilibary, M.D., Ph.D.**, Laboratory Medicine and Pathology, \$3,000, Pathobiology of diabetic glomerulosclerosis.

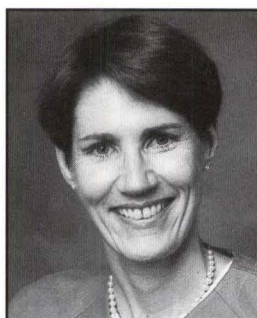
FACULTY EQUIPMENT GRANTS include: **Paul M. Anderson, Ph.D.**, Biochemistry and Molecular Biology, \$5,900, Equipment needed for NSF-funded gene regulation project; **Alan J. Bank, M.D.**, Medicine, \$20,000, Arterial elastic mechanics in normal subjects and patients with heart failure; **Benjamin L. Clarke, Ph.D.**, Biochemistry and Molecular Biology, \$20,000, Partial support for a peptide synthesis facility; **Stephen W. Downing, Ph.D.**, Anatomy and Cell Biology, \$15,000, Purchase of electron microscope; **Richard A. King, M.D., Ph.D.**, Medicine, \$12,724, Liquid nitrogen freezer for storage of lymphoblastoid cell; and **Robert L. Sorenson, Ph.D.**, Cell Biology and Neuroanatomy,

\$25,000, Upgrade of confocal microscopy.

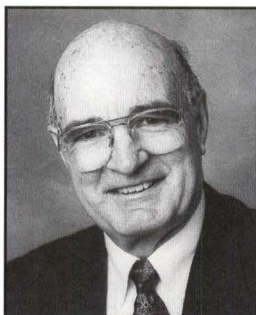
STUDENT GRANTS include: **Cally A. Chermak**, "Do men and women with diffuse alopecia have abnormalities in iron metabolism?" conducted under the supervision of **Maria Hordinsky, M.D.**, Dermatology; **William Haug, Jr.**, "Role of transition metals in hemoglobin oxidation," conducted under the supervision of **Robert Hebbel, M.D.**, Medicine; **Christopher D. Leville**, "Development and testing of a novel endotoxin antagonist," conducted under the supervision of **David Dunn, M.D.**, Surgery; **Erin M. Osborn**, "Influence of insulin on blood pressure during adolescence and young adulthood," conducted under the supervision of **Antoinette Moran, M.D.**, Pediatrics; **Jill T. Walworth**, "Fasting-induced changes in adrenal steroidogenesis: Role of sympathetic innervation," conducted under the supervision of **William Engeland, Ph.D.**, Surgery; and **Patricia A. Welsh**, "Can TDxFLx measurement be used reliably in the determination of fetal lung maturity of diabetic mothers?" conducted under the supervision of **Virginia Lupo, M.D.**, Obstetrics and Gynecology. ■

New MMF Staff

Anne Dimock, CFRE, recently joined MMF as the director of development for the OB/GYN department and the Women's Health Fund. For the past five years, she served as director of development for the Ramsey Foundation.



Anne Dimock



Dick Carlson

Dick Carlson is the new development director at the University of Minnesota School of Medicine, Duluth. A native of Duluth, Carlson hopes to be part of the vision for the UMD School of Medicine. By concentrating on developing endowment funds, he plans to increase available funds for tuition.

Carlson previously worked as a teacher, coach, and principal in the public school system. He also served as Heritage Fund director at the Duluth YMCA. Since 1987, he has been director of a UMD scholarship fund. ■

Queneau Scholarship established

A new scholarship was recently established in the School of Public Health in memory of Marguerite Queneau, a scientist, educator, and humanitarian who was a charter member of the New York State Nutrition Council and served as its chair from 1953 to 1957. Created as a permanent endowment by her brothers Bernard and Roland and her sister Francoise, the Marguerite J. Queneau Memorial Scholarship will be awarded to graduate students who have a particular interest in public health nutrition.

When the New York State Nutrition Council elected her an honorary member in 1960, the resolution noted her "rare ability to translate nutrition subject matter into the language and idiom of the people with whom she worked" and lauded "her emphasis on the human as well as the scientific phases of any question." It also highlighted her devotion to family and friends as well as to her profession. ■

MMF board member Terrance Hanold dies

Terrance Hanold, MMF board member and former board president, died January 28 at age 83. Hanold served as an MMF board member for more than 20 years. He was board president from 1984-86.



Terrance Hanold

Hanold was also a former president and chair of the executive committee of the Pillsbury Company in Minneapolis. He worked for Pillsbury for 29 years, starting as a corporate attorney in 1946. Hanold represented the food industry before governmental and private agencies and was a member of the Food Industry Advisory Committee.

He was a director, trustee, or consultant for about 20 educational, cultural, and governmental organizations. For 20 years he had also served on the board of the Ecumenical Institute on Culture and Religion at St. John's University in Collegeville, Minnesota, and was involved in the Plymouth Music Series for 18 years. He is survived by his wife, Ruth, six sons, and two daughters. Memorials are suggested to the Minnesota Medical Foundation. ■

Scholarship winners recognized

Through its scholarship and awards programs, the Minnesota Medical Foundation recognizes outstanding achievement and assists medical students faced with high debt levels. The following scholarships were presented this past fall and winter by MMF:

Maxine Nelson- Alpha Epsilon Iota Foundation Awards

Stacia S. Anderson
Lisa M. Braegelman
Elise C. Brodin
Catherine M. Buley
Christine M. DeLisle

Michelle E. Essene
Kathleen A. Kemmer
Mary M. Maliniak
Mary C. Schwieters
Krista A. Uldbjerg
Patricia Ann Welsh
*Recognize senior women
medical students who best
exemplify excellence in clini-*

*cal performance, communi-
ty service, scholarship, and
leadership.*

Alpha Omega Alpha Scholarships

Carl V. Barnes
James C. Clark
Jeffrey J. Lisko
Andrew H. Van Bergen
*Established by the
Minneapolis Chapter of
Alpha Omega Alpha, an
honorary medical society.*

American Cancer Society Scholarships

Nicole A. Dohm-Palmer
Robert M. Sweet
*Provided by annual grants
from the American Cancer
Society.*

Anonymous

Mark D. Hoffman
Blair A. Nelson
Quynh Anh T. Nguyen

Fritjof H. Arestad Scholarships

John R. Bartlett
Greg P. Bisson

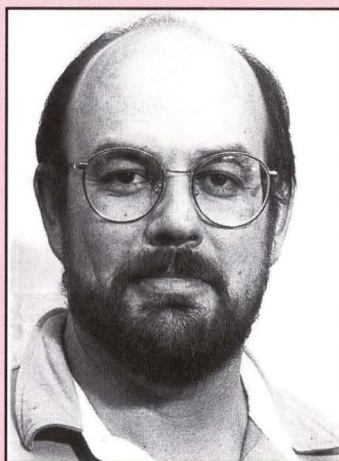
MMF grant recipient: Benjamin L. Clarke, Ph.D.

Stress, emotional or physical, may cause chronic disease. That may be common belief, but it has not yet been thoroughly explained or defined. With more information, researchers could better understand how to prevent and treat stress-related illnesses.

Benjamin Clarke, Ph.D., Department of Biochemistry and Molecular Biology, University of Minnesota, Duluth, received a \$20,000 MMF grant for a peptide synthesizer to help study a specific stress-related hormone. He was one of 18 faculty who received an MMF grant last fall.

Clarke will study the adrenocorticotrophic hormone (ACTH), which is released by the brain in response to stress. ACTH causes steroid production, which in turn alters metabolism, reduces inflammation, changes water balance, and turns off the immune system. ACTH also directly controls the immune cells without the intervention of steroids.

"If you're stressed out, how does that impact health? ACTH and its receptor may play a role," says Clarke. To study the immunological role of ACTH, he plans to develop additional biochemical tools. "I will use the peptide synthesizer as a tool to study the receptor that recognizes ACTH. I hope



Benjamin Clarke, Ph.D

to characterize the receptor, which is found on the surface of a lymphocyte. If we know more about the receptor, which lymphocytes have the receptor, and how they respond

if challenged, it will greatly further our understanding of the field of neuroimmunology."

Funds from the grant, along with funds provided by the UMD School of Medicine, will be used specifically to establish a multi-user facility for synthesizing peptides. The facility will provide technical support for at least five other investigators and the peptides will be used for a variety of purposes.

By establishing a local peptide synthesis site, researchers will save a considerable sum compared to the cost of purchasing the products from vendors. The site will also facilitate cooperative interaction between researchers, helping to pool research strengths for future grant support. ■

Chad A. Holien
 Nikheel S. Kolatkar
 Hiren P. Patel
 Edris Sahar
 Kent A. Schnetzler
 John S. Wermager
 David P. Wicklund
*Created by bequest of
 Gladys E. Arestad in mem-
 ory of her husband, Fritjof,
 an alumnus of the Medical
 School, Class of 1924.*

**Dr. A.B. Baker
 Memorial
 Scholarship**

Emily Rae
*Established in memory of
 Dr. Baker, a leading educa-
 tor in the field of neurology.*

**Russell L. Baker,
 M.D., and Harry
 R. Baker, M.D.,
 Scholarship**

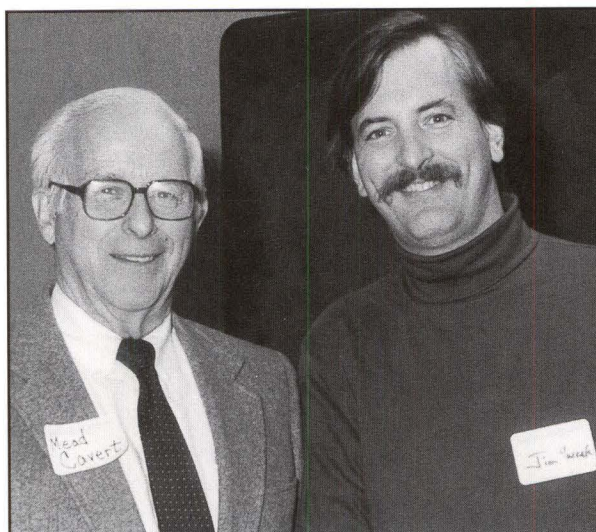
Mary K. Durfee
*Established by Dr. Russell
 Baker in memory of his
 father and in grateful recog-
 nition of his own training at
 the University of Minnesota
 Medical School, from which
 he graduated in 1934.*

**Dr. Henry H.
 and Pauline E.
 Blaustone
 Scholarship**

Matthew K. Kissner
*Created by bequest of Dr.
 Blaustone, an alumnus of
 the Medical School, Class of
 1920, and his wife,
 Pauline.*

**Ruth Boynton,
 M.D., Memorial
 Scholarships**

Amy M. Medley
 Krista A. Uldbjerg
*Established in memory of
 Dr. Ruth Boynton, an*



*Dr. H. Mead and June S. Cavert Scholarship. Dr. Cavert
 and James Yurcek.*



*N.L. Gault, Jr., M.D., Honorary Scholarship. Dr. Gault
 and Kathryn Paulsen.*

*alumnus of the Medical
 School, Class of 1920, and
 former director of the
 University of Minnesota
 Health Service.*

**Dr. Richard A.
 and Mari Carlson
 Scholarship**

Tanya M. Tekautz
*Established by Dr. Richard
 A. Carlson, an alumnus of
 the Medical School, Class of
 1972, and his wife, Mari.*

**Dr. H. Mead and
 June S. Cavert
 Scholarship**

James J. Yurcek
*Established in recognition of
 Dr. Cavert's many years of
 service to the Medical
 School and the University.*

**Centennial
 Scholarships**

Brandon L. Allard
 Timothy G. Dirks
 Cullen B. Hegarty

Scott M. Koehler
 Anne F. Lippin
 Eric A. Maki
 Elisabeth S. Potts
 Jay G. Shake
*Created in commemoration
 of the Medical School's
 100th anniversary.*

**Class of 1931
 Scholarship**

Troy C. Schaff
*Established by the Class of
 1931 as a permanent com-
 memoration of their 50th
 reunion.*

**Class of 1937
 Scholarship**

Marcia J. Beshara
*Established by the Class of
 1937 as a permanent com-
 memoration of their 50th
 reunion.*

**Class of 1942
 Scholarship**

Cynthia Tai
*Established by the Class of
 1942 as a permanent com-
 memoration of their 50th
 reunion.*

**Class of 1943,
 March,
 Scholarships**

Elise C. Brodin
 Marwa A. Moustafa
 Michael J. Tacheny
*Established by the Class of
 1943(March) as a perma-
 nent commemoration of
 their 50th reunion.*

**Class of 1943,
 December,
 Scholarship**

Christina R. Yavarow
*Established by the Class of
 1943(December) as a per-
 manent commemoration of
 their 50th reunion.*

Class of 1944 Scholarships

Patrick C. Graupman

Brenda J. Guyer

Greg T. Siwek

Established by the Class of 1944 as a permanent commemoration of their 50th reunion.

Class of 1945 Scholarship

Daniel P. Melby

Established by the Class of 1945 as a permanent commemoration of their 50th reunion.

Class of 1968 Scholarship

Kirk F. Granlund

Established by the Class of 1968 as a permanent commemoration of their 50th reunion.

Dr. Robert W. Cranston Scholarship

Elaine K. Ong

Established by Dr. Robert and Alyce Cranston to recognize Dr. Cranston's appreciation for the training he received at the University of Minnesota Medical School, from which he graduated in 1927.

Dr. and Mrs. Stanley B. Crosbie Scholarships

Michael C. Fang-Yen

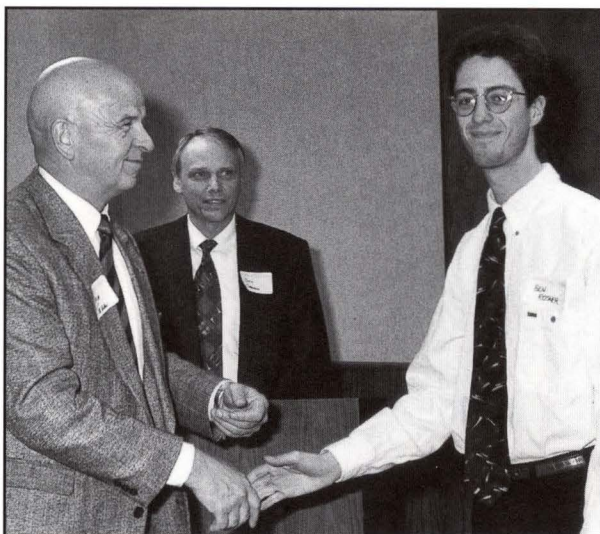
Charul R. Gupta

Brent A. Nielsen

Jessica A. Rongitsch

Mark E. Wilson

Established by Mrs. Crosbie in honor of the University of Minnesota Medical School, from which Dr. Crosbie graduated in 1941.



Medical Alley Scholarship. MMF President David Teslow and Benjamin Rosner.

Margaret Dowell-Gravatt, M.D., Scholarship

Elizabeth D. Trice

Established by Dr. Dowell-Gravatt, an alumnus of the Medical School, Class of 1944.

H.E. "Tiny" & Violet C. Drill Scholarships

Joseph M. Anderson

Bridget M. Buschmann

Paula M. Castano

Michael H. Duong

Michelle E. Essene

Sarah C. Gantert

Tong V. Pham

Established by bequest of Dr. Drill, past president of the Minnesota Medical Foundation, 1958-60, and an alumnus of the Medical School, Class of 1929.

Eunice L. Dwan Scholarships

Nicholas J. Meyer

Lisa J. Sletten

Established by a gift from the Eunice L. Dwan 1991 Irrevocable Trust.

Robert Dyar Scholarships

Bradley L. Barth

Mark W. Bogel

Paul T. Fadden

John R. Hering

Duane M. Jolivet

Ann E. Lavers

Alan C. League

Carter W. Muench

David E. Olson

Glennon K. Park

Karin M. Rettig

R. Bryan Rock

Kathryn A. Tweedy

Mark J. Westholder

Created by bequest of Robert Dyar, M.D., an alumnus of the Medical School, Class of 1934.

Dan Gall Human Spirit Scholarship

Lori A. Albright

Established in memory of Dr. Gall, an alumnus of the Medical School, Class of 1989.

N.L. Gault, Jr., M.D., Honorary Scholarship

Kathryn A. Paulsen

Established by bequest of

Royal C. Gray, M.D., Class of 1923, in honor of N.L. Gault, Jr., M.D., Class of 1950 and former dean of the Medical School.

Sarah J. Gault Scholarship for Women Medical Students

Lori A. Pinke

Established by N.L. Gault, Jr., M.D., Class of 1950, in memory of his wife, Sarah, Class of 1950.

Dr. Bob and Mary Giebink Scholarship

Tamara J. Slinkard

Established by Robert R. Giebink, M.D., an alumnus of the Medical School, Class of 1942, and his wife, Mary.

Half-Century Club Scholarship

Suzanne C. Leaf

Established by members of the Half-Century Club in recognition of their Medical School training.

Harry B. Hall, M.D., Scholarship

Marcie L. Jagoe

Established by Harry B. Hall, M.D., an alumnus of the Medical School, Class of 1935, and his wife, Betty.

James T. Housewright UFCW Scholarship

Amber L. Hanson

Established by the United Food and Commercial Workers International Union.

**Ludolf J. Hoyer
Memorial
Scholarship**

Carolyn C. Chou
*Established in memory of
Dr. Hoyer, an alumnus of
the Medical School, Class of
1932, by his son Leon,
Class of 1962.*

**Chester and
Charlotte
Johanson
Scholarships**

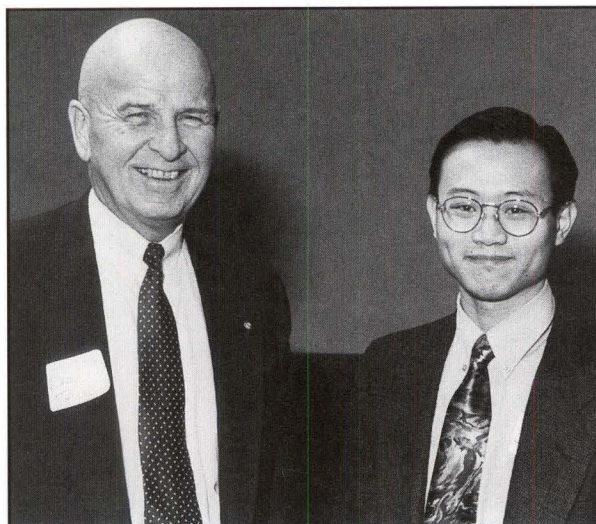
Rebecca C. Eder
Tori F. Engesmoe
Jon P. Kane
Kathleen A. Kobbermann
Kenneth W. Lee
Richard O. Lundebrek
Rebecca J. McCrery
Melissa R. Miller
Steven G. Muehlstedt
Shane E. Wernsing
*Established in memory of
Mr. Johanson's parents,
Christine and Per Johanson,
who were pioneer Traverse
County, Minnesota, home-
steaders.*

**Dr. Thomas
Kinsella
Scholarships**

April D. Abrahamson
Kellee K. Burmaster
Craig A. Solem
*Created by bequest of
Thomas J. Kinsella, M.D.,
an alumnus of the Medical
School, Class of 1919, and
his wife, Sarah.*

**William H.
Knobloch
Scholarships**

Kirk J. Aadalen
Bradley D. Berry
Kimberly J. Haycraft-
Williams
James N. Mohn
Gail M. Nichols
Bobbie A. Schauer
Susan J. Sickler



William A. O'Brien Scholarship. MMF President David Teslow and Jerry Kao.

Duane E. Westberg
*Established by William H.
Knobloch, M.D., and his
wife, Donna.*

**James Lillehei,
M.D., Scholarship**

Kristina M. Braaten
*Established by the Aspen
Medical Group of St. Paul
to honor the professional
contributions of their col-
league.*

**Walter and
Elva Lovell
Scholarships**

Robert O. Anderson
Laresa G. DeBoer
Jon C. Krook
Michele M. LeClaire
Alexander T. Sleder
Sonja U. Swenson
Kathryn A. Vidlock
*Established by a gift from
Elva Lovell.*

**Medical Alley
Scholarship**

Benjamin I. Rosner
*Provided by Medical Alley,
a Minnesota trade associa-
tion.*

**Metropolitan-
Mount Sinai
Scholarship**

Kristen M. Zeller
*Established by the medical
staff of the former Metropol-
itan-Mount Sinai Hospital
in recognition and remem-
brance of its contributions.*

**Dr. Harry W. and
Delores M. Mixer
Scholarship**

Marilou M.P. Johnson
*Established by Dr. Harry
Mixer, an alumnus of the
Medical School, Class of
1944, and his wife, Delores.*

**Lester and Lois
Netz Scholarships**

Kirstin M. Erickson
Todd K. Henrikson
Jonathan D. Kirsch
Jeffrey A. Lipke
Gerald T. McCullough
Frederick S. Mosch
Rebecca M. Moxness
Anh H. Nguyen
Gary A. Nisius
Ryan L. Redman
Melissa A. Reinhardt
*Established through the gen-
erosity of Dr. Lester Netz,
an alumnus of the Medical*

*School, Class of 1926, and
his wife, Lois.*

**Nicolette Norton
Memorial
Scholarship**

Camille Anne Farr
*Established by Thomas
Grossman and the Metro-
politan Corporation in
memory of Nicolette
Norton.*

**William A.
O'Brien
Scholarship**

Jerry Kao
*Honors the memory of Dr.
William A. O'Brien, a
Minnesota public health
physician and educator.*

**Parents'
Scholarships**

Jane H. King
Michele L. Peterson
*Established by Medical
School parents in conjunc-
tion with the Centennial
Scholarship Campaign.*

**Park Nicollet
Medical
Foundation's
Nicollet Clinic
Founders
Scholarships**

Clinton A. Muench
Matthew D. Munding
Carrie A. Peters
Chad J. Richardson
*Provided by the Park
Nicollet Medical Foundation.*

**Malcolm and
Ruth Pearson
Scholarship**

Melissa A. Vertanen
*Created by bequest of Dr.
Pearson, an alumnus of the
Medical School, Class of
1935, and his wife, Ruth.*

Dr. John O.H. Peterson Scholarship

Chase K. Sovell
Provided with contributions given in memory of John Otto Holt Peterson, M.D., Class of 1963.

Phi Delta Epsilon Jewish Medical Fraternity Scholarship

Steven T. Silver
Established through a gift from the fraternity.

Samuel J. Ravitch Scholarships

James T. Berquist
Sarah B. Carlson Buckley
Jason D. Dahlberg
Christina M. Frechette
Gretchen R. Grandgenett
Timothy P. Kinney
Jennifer R. Smith
Kristensen
Morgan E. Mann
Angela K. Ngo
Jonathan D. Pearson
Rita M. Schumann
Rebecca M. Sharp
Brandon C. Stroh
Michael J. Tax
Glenn W. Weidenbacher
Meela Yoo
Created by bequest of Samuel J. Ravitch, M.D., an alumnus of the Medical School, Class of 1926, and his wife, Louise.

Dr. Albert E. Ritt Scholarships

Gregory M. Garrison
Kathleen A. Bentler
Kobbermann
Katherine E. McIntosh
Joseph B. McLaughlin
Jacqueline A. Paul
Connie K. Wolf



Phi Delta Epsilon Jewish Medical Fraternity Scholarship. Dr. Robert Maisel, head of otolaryngology at HCMC, and Steven Silver.

Established by Dr. Ritt, an alumnus of the Medical School, Class of 1932.

Dr. Sharon Satterfield Medical Scholarships

Steven G. Harker
Gabrielle J. Melin
Provided by an anonymous donor to honor the professional contributions of Sharon Satterfield, M.D.

Jean Covert Sauer and Carolyn Patrice Sauer Scholarships

Joan F. DeWitt
Lorinda A. Soma
Established by Dr. Jean Sauer, an alumnus of the Medical School, Class of 1956, to honor Dr. Carolyn P. Sauer, her daughter.

Linda Shriro Schenck, M.D., Women Medical Student Scholarships

Stacia S. Anderson

Susan M. Daniels
Heidi L. Feistner
Margret L. Lenarz
Connie M. Lutkevich
Patricia A. Nee
Sue A. Nielsen
Lorinda F. Parks
Provided by Carlos Schenck, M.D., in memory of his wife, Linda Shriro Schenck, Class of 1977.

Dr. Vernon D.E. Smith Scholarships

David A. Gray
Cherie A. Homuth
Given in memory of Dr. Smith, a St. Paul surgeon and a founder of the Minnesota Medical Foundation.

Eugene S. Strout, M.D., Family Practice Scholarships

Shannon B. Radke
Kurt E. Schwieters
Established by Dr. Strout, an alumnus of the Medical School, Class of 1964.

Albert Sullivan Endowed Scholarship

Peter W. Waldusky
Honors the memory of Dr. Sullivan, associate dean of the Medical School, and for 34 years a member of the faculty.

Luigi Taddeini Scholarship

Scott R. Gunn
Established in memory of Dr. Taddeini, who served as chair and president of Ramsey Clinic in St. Paul.

Dr. Hulda Thelander Scholarships

Shalabh Bobra
Heidi M. Coplin
Sara J. Fish
Beth A. Greenhalgh
Paul A. Haugan
Deborah L. Klimek
Melissa C. Mark
Kimberly J. Pekarek
Kari L. Rabie
David P. Tetzlaff
Heather A. Thompson
Alexander M.

Truskinovsky
Established by bequest of Dr. Thelander, an alumnus of the Medical School, Class of 1924.

George H. and Lillian K. Williams Scholarships

Payam Tristani-Firouzi
Peter B. Wold
Established by bequest of George and Lillian Williams. ■

MMF AFFILIATES

Children's Cancer Research Fund

A log home was given away January 1 at the Mall of America. The full-size log home, furnished and decorated, was on display at the Mall from November 18 to December 31. Guests could tour the home and enter a prize drawing to win the home and its furnishings — a donation of \$5 was suggested. More than 135,000 people toured the home and donations amounted to over \$212,000, which will benefit CCRF.



A Day to Dream was held November 12 at Knott's Camp Snoopy at Mall of America. The Camp Snoopy annual holiday parade featured current and former patients of the University of Minnesota pediatric oncology department. Patients flipped the switch to turn on the holiday lights. Erin Becker, winner of the 1995 CCRF butterfly contest, was grand marshall.

Spookyworld, America's Horror Theme Park, kicked off its season in Minnesota with a grand opening event to benefit CCRF on September 29 at Murphy's Landing in Shakopee. From the event, \$10 from each general admission and \$15 from each Patron VIP admission benefited CCRF with proceeds exceeding \$3,000.

Media Play, a division of Musicland, highlighted CCRF as its charity of choice in a national promotional campaign. More than 85 Media Play outlets nationwide encouraged customers to support CCRF and the fight against childhood cancer. The focal point of the campaign was the sale of a Snoopy plush toy. One dollar from each Snoopy sold was given to CCRF and each register also had a contribution can for customers to donate to CCRF.

The 15th Annual Dawn of a Dream benefit was held January 20 and featured Kenny Loggins. CCRF and United HealthCare were co-presenters of the event and Northwest Airlines, Inc. presented the Kenny Loggins concert. In addition, a silent auction was held, the Steve Millar and Diamondhead band performed, and dinner was provided by D'Amico.

For more information, call 612-929-5535 or 1-800-922-1MME ■

Diabetes Institute for Immunology and Transplantation

Last year was productive for the Diabetes Institute for Immunology and Transplantation. The University of Minnesota's reputation as the leading transplant center was greatly enhanced. Foremost among the Diabetes Institute's accomplishments were the 72 pancreas and 18 islet transplants which took place. University physicians performed the largest number of pancreas transplants of any center in the world and 20 percent of all islet transplants. These individuals now have a chance to be free of their life-compromising disease.



Institute director Dr. David E.R. Sutherland was recently honored for his achievements as one of the "true pioneers in transplantation." The David E.R. Sutherland Transplant Fellows Symposium was held in Arizona and attended by transplant fellows from around the world. In addition to naming the symposium after Dr. Sutherland, a gift of \$10,000 was made to the Institute in his name.

For more information on how you can benefit from or support work of the Institute, please call 612-626-2101 or 1-800-922-1MME ■

International Hearing Foundation

The International Hearing Foundation (IHF) donated a \$10,000 grant to the otopathology lab. The grant was given to assist the Fellowship Program which trains ear-nose-throat



(ENT) physicians worldwide and enables them to do research. During the past year, IHF produced several research papers on the subject of otitis media and other diseases. IHF also donated 15 hearing aids to needy children and several elderly patients.

During 1995, IHF raised more than \$25,000 from the annual Celebrity Golf Tournament, with monies being used for the Senegal Africa Project. A fifth team of physicians went to Senegal in February, where they spent two weeks with Dr. Malick Diop providing training and teaching to other ENT specialists. They also brought needed medical supplies and equipment.

In September, the American Academy of Otolaryngology's Distinguished Award for Outstanding Contributions in the Field of Otolaryngology was presented to Dr.

William House. The \$15,000 award is sponsored by IHF.

In November, IHF raised funds to help a young Russian girl, Mariya Klintzevich, who received a cochlear implant. Drs. Froymovich, Sajjadi, and Kimberley (IHF board members) donated their services, as did Fairview Riverside Medical Center. For more information about IHF, call 612-339-2120. ■

University Children's Foundation

Representatives from the Pediatric Parents' Organization and Nordstrom Mall of America began planning the fourth annual Nordstrom Back to School Fashion Show.

The stars of this show are children who have been cared for through the Department of Pediatrics. All proceeds from ticket sales benefit the University Children's Foundation. The tentative date is August 24 or 25.

UCF board and special event committee volunteers are planning the seventh annual Catch a Rising Star benefit, which raises money to fund the UCF Scholar Award — a major grant to a young researcher in the Department of Pediatrics. The event is planned for May 17 and 18.

New UCF board members were elected at the February meeting. Thanks to retiring board members Kjell Bergh, Cam Nelson, Ken Evanstad, and Bill Popp for their hard work and dedication.

The annual year-end mail campaign was a huge success. Contributions from this campaign are unrestricted and used to fund priority research projects in the Department of Pediatrics. For more information, call 612-625-1148 or 1-800-922-1MME. ■



University of Minnesota Cancer Center

To celebrate the March opening of the University of Minnesota Cancer Center's Masonic Cancer Research Building, the Cancer Center will hold five opening and dedication events between the end of March and late June. The \$21 million research facility is the largest building on the University of Minnesota, Minneapolis, campus to be constructed with private support.

In mid-March, a Cancer Center Members Recognition event will be held to honor Cancer Center members and familiarize them with the new research



facility. The event will include a luncheon program and tours.

A donor and Masons' reception and Masonic Cancer Research Building dedication will be held Saturday, March 30, at Northrop Auditorium. Tour groups will be taken by bus to tour the new research building. A reception honoring construction workers who worked on the building is tentatively scheduled for May 19, followed by a community open house and tours.

The Grand Celebration will be held June 15 at the River Flats Park, along the Mississippi River adjacent to the University of Minnesota East Bank. For tickets or further information, call 612-625-3650 or 1-800-922-1MME. ■

Variety Children's Association

The Cities 97 radio station broke from its conventional format November 24 to sponsor the Twin Cities' first Pay for

Play, a phonathon where listeners called in and requested a song for a \$25 minimum pledge. More than \$6,000 was raised to benefit Variety Children's Association.

KDWB radio sponsored a 28-hour radiothon, beginning at 5 a.m. December 14 and ending at 9 a.m. December 15. The radiothon raised over \$27,000 to benefit the KDWB Family Home, which will provide a place where a patient's family can stay while their child is hospitalized. Listeners received KDWB T-shirts for a \$25 pledge and autographed T-shirts for a \$50 pledge. A signed Melissa Etheridge guitar was also given away to the caller pledging the highest amount.

For more information about Variety Children's Association, call 612-624-6900 or 1-800-922-1MME. ■



Vision Foundation

The Vision Foundation has selected its 1995 Honors Award recipients. The Outstanding Achievement Award, won by Herbert L. Cantrill, M.D., recognizes distinction in ophthalmic public service. Honorees have demonstrated outstanding achievement and leadership as viewed by the medical and civic community. The Outstanding Service Award, which recognizes service or contributions to the Department of Ophthalmology, Ophthalmology Alumni Society, and/or the Vision Foundation, was awarded to Richard J. Kennedy. The Alumni Service Award was given to Dr. Karl Sandt for his outstanding service. The



1995 Honors Awards will be presented during the Department of Ophthalmology's Continuing Medical Education conference, to be held April 12-13.

The Eye Open Golf Tournament will be held on Saturday, May 11, at the Les Bolstad University Golf Course. The event is sponsored by the University of Minnesota Eye Association and is chaired by Dr. Kevin W. Treacy of Duluth. The 1995 tournament raised more than \$5,000 to support the Department of Ophthalmology research and education programs.

James Bradshaw, president of the Vision Foundation, presented commemorative clocks to Drs. Gary S. Schwartz and James E. George at a graduation ceremony and reception held December 15 in honor of their residency completions in the department.

The first Annual Gala Dinner and Dance for the Vision Foundation has been scheduled for Spring 1997. Volunteers are needed. Funds raised from the event will support the Department of Ophthalmology research and education programs.

The 10th Annual Thanksgiving For Vision celebration has been scheduled for Saturday, September 28, at the Bloomington Marriott Hotel. The event is sponsored by the Minnesota Lions Eye Bank to honor Lions Clubs and individuals making significant contributions to eye research and education. The next series of Gift of Sight Tours will be conducted in May. Friends of the Vision Foundation are invited to see the Department of Ophthalmology's research laboratories and education facilities, including the Lions Children's Eye Clinic and Lions Research Building. For more information, call 612-625-9613 or 1-800-922-1MME. ■

Women's Health Fund

A dinner and silent and live auction will be held May 2 at the Radisson Hotel Metrodome in support of the Women's Health Fund and in-patient tutoring for children. The event is sponsored by the Minneapolis University Rotary Club. Tickets are \$30 and corporate sponsorships are \$750. Please call 612-626-2612 to make reservations.

The Women's Health Fund received a \$100,000 gift from Loring M. Staples, Sr., for the Endowed Chair in Women's Cancer Research. For more information about the Women's Health Fund, call 612-626-2612 or 1-800-922-1MME. ■



President's Report

There are some significant changes happening at the University of Minnesota Medical Schools and within the Academic Health Center. Three important announcements include: a plan to decrease the Medical School enrollment by 30 percent over the next few years; plans to reduce residencies at the University of Minnesota by 25 percent; and plans for the University of Minnesota Health System to affiliate with the Twin Cities-based Fairview Health System. These represent significant shifts in direction for the University of Minnesota and the Medical Schools (Minneapolis and Duluth).

Dean Frank Cerra and Provost William Brody hope to provide Minnesota with the number of physicians it will need for the future. To do this, Medical School enrollment will be reduced, beginning with next year's first-year class. Residency positions will also be reduced by 25 percent. A complete plan for implementing the reduction is being developed. Plans for the integration of the Fairview and University Health Systems are still being discussed. We will be certain to update you on the changes and what they mean for our Medical Schools.

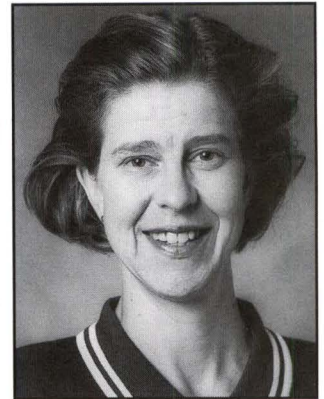
In this issue of the *Bulletin*, please note the Medical Alumni Reunion Weekend '96 schedule. There are many activities that are open to all alumni, not just reunion year alumni. We hope you will take the opportunity to attend some of the events. We hope those of you in the classes of 1946, 1951, 1956, 1961, 1966, 1971, 1976, and 1986 plan to return to the Twin Cities to see old friends as well as to make new ones. June 6-8 will be a special time for everyone and should not be missed!

We are interested in hearing your views on changes at the Medical School and encourage you to write to the Medical Alumni Society, Box 193 UMHC, 420 Delaware Street, Minneapolis, MN 55455. Remember to support the Alumni Annual Fund at the Minnesota Medical Foundation and consider becoming a member of the University of Minnesota Alumni Association!

Sincerely,

Dorothy J. Horns MD

Dorothy J. Horns, M.D., '76
President
Medical Alumni Society





6th Annual Golf Classic

Monday, August 26
Rolling Green Country Club,
Medina, Minnesota
Double Shotgun Start
(morning and afternoon starts)
Scramble Format
Entry Fee \$200
(\$60 tax-deductible)

For more information or to register
call 612-625-1440 or
1-800-922-1663.

The MMF Golf Classic, now in its sixth year, has quickly become one of the Twin Cities' premier golf events. The scramble format tournament provides a challenging but enjoyable round of golf for players of all skill levels.

Last year's event raised more than \$50,000 for medical research and scholarships at the University of Minnesota Medical Schools (Minneapolis and Duluth). The past five tournaments have raised a total of \$190,000.

Golfers may sign up as a foursome or as individuals. Interested parties are encouraged to call for more information soon. Space is limited and the past few Classics have all been sellouts.



Diehl Award nominations due

Nominations for the Harold S. Diehl Award should be received by April 5. Given in honor of the University of Minnesota Medical School's fifth dean, Harold Sheely Diehl, M.D., the award is presented to an individual who has made outstanding professional contributions throughout his or her career. The Diehl Award has been presented to 70 people since its inception in 1962.

Qualifications for nomination are: 1) Preferably a graduate of the University of Minnesota Medical School; 2) Not currently engaged in an academic capacity; 3) Outstanding contributions to the Medical School, the University, the alumni, and the community; and 4) Relatively long experience in the field of medical service or a related field.

The award will be presented at the Medical Alumni Society's Annual Reunion Weekend, June 6-8. Nominations should include supporting documents and references to assist the committee in its deliberations. Nominations should be sent to: Dorothy J. Horns, M.D., Chairperson, Harold S. Diehl Award Committee, Box 193 UMHC, 420 Delaware St. S.E., University of Minnesota, Minneapolis, MN 55455. Questions may be referred to the Medical Alumni Society at the Minnesota Medical Foundation, 612-625-8676 or 1-800-922-1MMF. ■

CLASS NOTES

1921

Dr. Harold C. Stratte, Windom, Minnesota, is 101 years old and still enjoying good health. He maintains the family home in Windom where he has resided since 1930, but spends winters with his daughter in Bellevue, Washington. He attributes his many years to the healthy state of Minnesota, to the profession of practicing medicine, and to his late wife.

1945

Dr. James Hammarsten, Grey Eagle, Minnesota, has received an Outstanding Achievement Award, one of the highest awards the University of Minnesota bestows on its graduates. It is presented to alumni who

have attained distinction and honor in their fields. A pulmonary medicine specialist, Dr. Hammarsten works as a medical consultant for federal administrative judges and is a medical consultant for the Minnesota Department of Human Services.

He was a pioneering investigator whose research into the causes of emphysema influenced current knowledge and practices in pulmonary and critical care medicine. He has served as a physician, educator, and administrator.

1951

Dr. Mildred S. Hanson, Edina, Minnesota, received Planned Parenthood of Minnesota's first annual

Physician of the Year award in recognition of her years of service to the organization. The award is presented to a physician working for Planned Parenthood of Minnesota, for extraordinary service and dedication. She has been Planned Parenthood of Minnesota's medical director for 23 years and is in private practice in Minneapolis.

1966

Dr. Robert W.

McKenna, executive vice chair of pathology and the Dr. John H. Childers Professor in Pathology at UT Southwestern Medical Center at Dallas, became president-elect of the American Society of Clinical Pathologists in September.

Dr. Rachel W.

Trockman, Golden Valley, Minnesota, was awarded first place in sculpture at the annual competition of the American Physician's Art Association (APAA) for her ceramic portrait "Dr. Elizabeth Blackwell in 1849." The APAA meeting was held in conjunction with the Scientific Assembly of the Southern Medical Society in Kansas City, Missouri. Dr. Trockman is assistant professor of pediatrics and staff behavioral developmental pediatrician at Hennepin County Medical Center.

1967

Dr. K-Lynn Paul, Sioux Falls, South Dakota, received an Exemplary Psychiatrist Award from the National Alliance for the Mentally Ill and was made a fellow of the American Psychiatric Association. Dr. Paul is director of psychiatric residency training at the University of South Dakota School of Medicine and medical director of Southeastern Mental Health Center.

Dr. Michael D.

Stenberg, Liberty, Missouri, is working for Ford Motor Company in Claycomo, Missouri.

1987

Dr. Grace Heitsch, Ashland, Wisconsin, became the first Wisconsin pediatrician to receive a Community Access to Child Health (CATCH) planning grant, awarded by the American Academy of Pediatrics and funded by Wyeth-Ayerst Laboratories.

1996

Dr. Shane Anderson, Minneapolis, received the 1995 ASCP Sheard Sanford Award on September 19 at the American Society of Clinical Pathologists/CAP National Meeting in New Orleans. The award annually recognizes two medical students for outstanding achievements made in the areas of experimental, clinical, and creative morphologic pathology research. ■

IN MEMORIAM

ALBERT S. BRUSSELL, M.D., Class of 1933, of Corsicana, Texas, died June 6. A St. Paul native and Phi Delta Epsilon fraternity member, he served as 1st Lieutenant, Medical Corps Reserve. After three years as a U.S. Army physician with the Civilian Conservation Corps, he interned at St. Mary's Hospital, Duluth, Minnesota. He served extended duty with the Air Force as Flight Surgeon from 1940-1947 and later assumed command of the 94th General Hospital in Dallas, and then of the 807th Hospital Center. In 1965 he attended Command and General Staff College, Ft. Leavenworth, Kansas. He retired in May 1968 as Brigadier General U.S. Army Reserve. Dr. Brussell was chief of staff at the VA Hospital of Dallas and Amarillo, retiring as director of the VA Center, Marlin, Texas, with a Distinguished Career Award in Veterans Administration in 1977. He is survived by his wife, Martha, two daughters, and a son.

DONALD C. HAUSER, M.D., Class of 1946, of Edina, Minnesota, died January 10 at age 73. Dr. Hauser was former chair of the radiology department at Park Nicollet Medical Center in St. Louis Park and was one of few physicians certified in both pediatrics and radiology. After graduating from medical school he served as Captain in the Air Force Medical Corps. In 1951, he joined a private pediatrics practice in Minneapolis where he stayed until 1961. He then returned to the University of Minnesota for certification in radiology and later joined the St. Louis Park Medical Center where he practiced until 1986. He is survived by six sons and two daughters.

DOUGLAS R. KUSKE, M.D., Class of 1943, of St. Paul, died in October at age 76. Dr. Kuske was co-founder of Otolaryngology Associates of St. Paul and a retired physician from St. Joseph's Hospital. He served as Captain in the 87th Mountain Infantry Medical Corps during WWII, and received the Bronze Star. He is survived by his wife, Margaret Ann.

CECIL A. WARREN, M.D., Class of 1927, of St. Paul, died January 3 at age 90. Dr. Warren was a physician and surgeon for more than 60 years. A fine athlete and musician, he worked his way through high school and college playing violin at silent movie theaters. He graduated from high school at age 16 and from the Medical School at 21. After an internship and residency at the old Ancker Hospital in St. Paul, he started a private practice in the Lowry Medical Arts Building. He was chief of staff at St. Luke's for several years. For 30 years he was also medical director for Little Sisters of the Poor in St. Paul. During World War II he was a flight surgeon with the Army Medical Corps in England. He was concertmaster of the St. Paul Center Symphony and played with several chamber-music groups. Dr. Warren is survived by his wife, Edna, and four sons. ■

Medical Alumni Reunion Weekend '96

June 6-8, 1996

University of Minnesota

Radisson Hotel Metrodome-U of M



SCHEDULE OF EVENTS

All Reunion '96 activities are held at the Radisson Hotel Metrodome/University of Minnesota, unless otherwise noted. (Classes celebrating special reunions: 1946, 1951, 1956, 1961, 1966, 1971, 1976, and 1986).

Thursday

Reunion Headquarters

Regents Room, second floor, 12 p.m. - 5 p.m.

Welcome Reception

Regents Room, second floor, 5 p.m. - 7 p.m.

This reception provides alumni with their first opportunity to see one another. This is an informal event.

Friday

Reunion Headquarters

Regents Room, second floor, 8 a.m. - 5 p.m.

Half-Century Program and Luncheon

Open to all pre-1946 graduates

(Special guests - The Class of 1946), 10 a.m. - 1 p.m.

Campus/Hospital Tour

View the University Campus and Hospital

(Bus and walking - approximately 1 hour), 1 p.m.

Medical School Graduation

Class of 1946 presented as special guests

Northrop Auditorium, 2:30 - 4:30 p.m.

Medical School Department Tours

Some departments will provide short tours of their facilities. Medical School, 3:30 p.m.

Deans' Reception and Dinner or Individual Class Functions

Meet the deans and other department heads while enjoying a great view of Minneapolis and the river and dine on the Campus Club's Buffet.

Campus Club, Coffman Memorial Union

5:30 p.m. Reception

6:45 p.m. Dinner

Saturday

Reunion Headquarters

Regents Room, second floor, 8 a.m. - 5 p.m.

New Horizons In Minnesota Medicine (CME)

Ballroom, second floor, 8:00 a.m. - 12 p.m.

Lunch 12 p.m.

Reunion Golf Tournament

Location to be announced

Morning tee times

Campus/Hospital Tour

View the University Campus and Hospital

(Bus and walking - approximately 1 hour), 1 p.m.

Medical School Class Reunion Dinner & Programs

The MAS presents the Diehl Award as part of the festivities. Individual classes have programs following the dinner. This is the cornerstone event of the weekend and should not be missed. Class photos are taken and reunion memories books are given out.

Ballroom, second floor

5 p.m. Reception & Registration

6 p.m. Dinner and Programs

Contact the Medical Alumni office for
more information, 1-800-922-1MMF or
612-625- 8676.

THANKS FOR ASKING

Q:

If I have highly appreciated real estate which I would like to dispose of, should I consider using a charitable trust or gift as a planning option?



Gary G. Hargroves

Perhaps!

The benefits are:

- A charitable trust can sell appreciated real estate and pay no capital gains tax.
- A charitable trust can provide a lifetime income to the donor and/or others based on the full sale value of the real estate.
- There is a current year charitable contribution deduction for a portion of the appraised value of the real estate.
- The trustee sells the property and takes care of some of the details of the transaction.

The liabilities are:

- Most charitable trust trustees will require a Phase I Environmental Study before considering the gift.
- The property must be appraised by a qualified appraiser.
- The sale of the property cannot be pre-arranged before it is placed into the trust.
- If the property does not sell quickly, additional gifts to the charitable trust may be needed to cover taxes, etc. until the property is sold.
- These costs are usually paid by the donor.

In summary:

- A charitable trust can be an excellent tool in securing an attractive income from the full value of appreciated real estate. However, making such a gift will take time, effort, and modest up-front costs for the donor.

For more information, please return the form below.

Dear Gary,

_____ Please send me information on placing Real Estate into a Charitable Trust.

Name _____

Address _____

City _____ State _____ Zip _____

Return to:

Gary G. Hargroves, Minnesota Medical Foundation, Box 193 UMHC,
420 Delaware St. SE, Minneapolis, MN 55455-0392 or phone 800-922-1663.

MB-S96

THANKS FOR GIVING

Dr. Burtrum and Evelyn Schiele

by Jean Murray

The Schiele home has always been open to medical students and residents who, over the years, have been guided and encouraged by Dr. Burtrum Schiele and his wife Evelyn. The Schieles continue to express their generosity toward medical students by the establishment this year of the Dr. Burtrum C. and Evelyn P. Schiele Endowed Scholarship Fund.

Schiele was a member of the faculty at the University of Minnesota Medical School from 1937 to 1973. He talks about starting at the University when psychiatry was only the small "p" in the Division of Neuropsychiatry, which was part of the Department of Medicine. Following World War II, psychiatry became a department in its own right. Schiele was board certified in both psychiatry and neurology, and was a highly respected teacher, clinician, researcher, and mentor. His leadership and enthusiasm for his work brought many students into the fields of psychiatry and psychopharmacology.

Mentors were important in Schiele's own career path. He credits Dr. Alan Challman — a University of Minnesota graduate who was a resident at the Colorado Psychopathic Hospital when Burt Schiele was a senior medical student there — for persuading him to accept an internship at Ancker Hospital in St. Paul. At a 1982 "Festschrift" honoring Schiele, he said, "Because of Challman's glowing accounts of the land of 10,000 lakes and its people, I accepted the post at Ancker. In other words, Challman is responsible for my being here today, for my marrying Evelyn, and all the things that followed." Evelyn Pederson was a senior nursing student at Ancker Hospital during Burt Schiele's internship, and later did post-graduate work in psychiatric nursing.

Dr. Stark Hathaway of the Psychiatry Department was another mentor. When Burt Schiele was a young faculty member, Hathaway urged him to concentrate on one area of psychiatry and not try to be all things to all people. Following Hathaway's advice — and anticipating the impact of new drugs on psychiatry — Schiele took a sabbatical and went back to school, updating himself in the study of biochemistry, physiology, and pharmacology.

Schiele's enthusiasm for the potential of drug treatment in psychiatry grew, and he became an expert in the emerging field of psychopharmacology. He was a prolific writer on the subject, reporting on the value of new drugs but always including their risks and limitations as well. He devoted nearly two decades to clinical research with psy-

chotropic drugs. He was always interested in how other fields of study related to his own area; his co-authors include physiologists, pharmacologists, psychologists, lawyers, and people from many medical specialties.

In the 1940s, Schiele worked with Dr. Ancel Keys — developer of the "K rations" used in World War II — researching risk factors of coronary heart disease. Schiele also made early clinical contributions to the Minnesota Multiphasic (MMPI) psychological test, group therapy, sleep disorders, experimental neurosis, and Huntington's Chorea.

Early in Schiele's career, the National Institute of Mental Health (NIMH) was looking for scholars to enlist in Early Clinical Drug Evaluation Units. Schiele was one of the first to apply, and subsequently spent 14 years contributing to NIMH's early clinical drug evaluation programs at the University of Minnesota. He also served the U.S. Food and Drug Administration (FDA) by reviewing drug information for accuracy and as chair of an FDA advisory committee. Contributions to the American College of Neuropsychopharmacology (ACNP) earned Schiele the ACNP's Paul Hoch Distinguished Service Award in 1974.

Burt Schiele's qualities of sharing his time and knowledge with others were not limited to the Medical School. Colleagues at the Festschrift mentioned the generous and caring spirit with which he offered counsel and direction to members of the University community. A former student wrote, "Thank you for being the first of my psychiatric teachers to show me that scholarship, teaching skill, and humanitarian clinical concern could co-exist, and in fact enrich one another."

Burt and Evelyn Schiele celebrated 60 years of marriage in October 1995, and he is quick to acknowledge her individual talents as well as her strong support of his career. Her psychiatric nursing background made her an enthusiastic colleague in his research efforts, and she has pursued many other interests as well. Evelyn served as president of the Faculty Women's Club in the 1950s, and was a charter member and president of the University of Minnesota School of Nursing Foundation. She has been active in the United Nations Association of Minnesota for many years, including serving as state chair, and continues to contribute to the University and the community.

The Schiele Scholarship will be given to a fourth-year medical student pursuing the field of psychiatry. Burt and Evelyn Schiele want to give something back to the University, since it has been such an important part of their lives. Their generous gift will, in turn, play a very important part in the lives of medical students who receive the Schiele Scholarship. ■



Dr. Burt and Evelyn Schiele

MINNESOTA
MEDICAL
FOUNDATION
at the University of Minnesota

Box 193
420 Delaware Street SE
Minneapolis, MN 55455-0392

Nonprofit Org.
U.S. Postage
PAID
Minneapolis, MN
Permit No. 155

ADDRESS CORRECTION REQUESTED

MMF Affiliates

Alpha Epsilon Iota Foundation
Bob Allison Ataxia Research Center
Children's Cancer Research Fund/Care Partners
Diabetes Institute for Immunology and Transplantation
International Hearing Foundation
ISP Association
Medical Alumni Society
Minnesota Mortuary Science Foundation
School of Public Health
Supporters United for Parkinson's Education and Research (SUPER)
University Children's Foundation
University of Minnesota Cancer Center
University of Minnesota Physical Therapy Program
Variety Children's Association
Vision Foundation
Women's Health Fund